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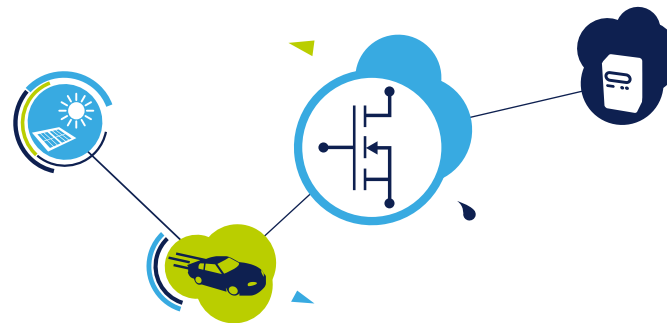
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Power MOSFET



Selection guide



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N-channel STripFET 12 V to 30 V

| Part Number | V _{DS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5 V or 5 V (Ω) | R _{DS(on)} (max) @ 2.7 V (Ω) | Automotive Grade | I _{0(Com)} (A) | Total Gate Charge (Qg) typ (nC) | Package |
|------------------|---------------------|---|---|--|------------------|-------------------------|------------------------------------|-----------------------------|
| STR2N2VH5 | 20 | - | 0.035 | 0.055 | - | 6 | 6 | SOT-23 |
| STT5N2VH5 | 20 | - | 0.035 | 0.055 | - | 6 | 6 | SOT23-6L |
| STS6NF20V | 20 | - | 0.04 | 0.045 | - | 6 | 8.5 | S0-8 |
| STV300NH02L | 24 | 0.0012 | 0.0015 | - | - | 120 | 109 | PowerSO-10 |
| STH300NH02L-6 | 24 | 0.0012 | 0.0015 | - | Yes | 180 | 109 | HPPAK-6 |
| STL220N3LLH7 | 30 | 0.0011 | 0.0015 | - | - | 220 | 46 | PowerFLAT 5x6 |
| STL160NS3LLH7 | 30 | 0.0021 | 0.0031 | - | - | 160 | 22 | PowerFLAT 5x6 |
| STB155N3H6 | 30 | 0.003 | - | - | Yes | 80 | 80 | D ² PAK |
| STD155N3H6 | 30 | 0.003 | - | - | Yes | 80 | 80 | DPAK |
| STB155N3LH6 | 30 | 0.003 | 0.004 | - | Yes | 80 | 40 | D ² PAK |
| STD155N3LH6 | 30 | 0.003 | 0.004 | - | Yes | 80 | 40 | DPAK |
| STP160N3LL | 30 | 0.0032 | 0.0042 | - | - | 120 | 42 | TO-220 |
| STB100NF03L-03-1 | 30 | 0.0032 | 0.0045 | - | - | 30 | 160 | PPAK |
| STB100NF03L-03T4 | 30 | 0.0032 | 0.0045 | - | Yes | 100 | 88 | PPAK |
| STL110NS3LLH7 | 30 | 0.0034 | 0.005 | - | - | 120 | 13.7 | PowerFLAT 5x6 |
| STL23NS3LLH7 | 30 | 0.0037 | 0.005 | - | - | 23 | 13.7 | PowerFLAT 5x6 |
| STP105N3LL | 30 | 0.0035 | 0.0045 | - | - | 80 | 42 | TO-220 |
| STB200NF03T4 | 30 | 0.0036 | - | - | - | 30 | 113 | D ² PAK |
| STL105NS3LLH7 | 30 | 0.0039 | 0.0055 | - | - | 27 | 13.7 | PowerFLAT 5x6 |
| STP80NF03L-04 | 30 | 0.004 | 0.0055 | - | - | 30 | 150 | TO-220 |
| STD96N3LLH6 | 30 | 0.0042 | 0.007 | - | Yes | 80 | 20 | DPAK |
| STL90N3LLH6 | 30 | 0.0045 | 0.0073 | - | - | 90 | 17 | PowerFLAT 5x6 |
| STD86N3LH5 | 30 | 0.005 | 0.0065 | - | Yes | 80 | 14 | DPAK |
| STD86N3LH5AG | 30 | 0.005 | 0.0065 | - | Yes | 80 | 14 | DPAK |
| STL86N3LLH6AG | 30 | 0.0052 | 0.0076 | - | Yes | 80 | 17 | PowerFLAT 5x6 |
| STD100N3LF3 | 30 | 0.0055 | 0.01 | - | Yes | 80 | 20 | DPAK |
| STL66N3LLH5 | 30 | 0.0058 | 0.0075 | - | Yes | 80 | 12 | PowerFLAT 5x6 |
| STL65DN3LLH5 | 30 | 0.0065 | - | - | - | 65 | 12 | PowerFLAT 5x6 double island |

Barcode of ST-MOSFET Finder



For complete MOSFET product portfolio consult the APP ST-MOSFETFinder

N-CHANNEL STRIPFET 12 V TO 30 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5 V or 5 V (Ω) | R _{DS(on)} (max) @ 2.7 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Total Gate Charge (Qg) typ (nC) | Package |
|------------------------------|----------------------|---|---|--|------------------|--------------------------|------------------------------------|-----------------------------|
| STD65N3LLH5 | 30 | 0.0069 | 0.0093 | - | - | 65 | 8 | DPAK |
| STL11N3LLH6 | 30 | 0.0075 | 0.0095 | - | - | 11 | 17 | PowerFLAT 3.3x3.3 |
| STL56N3LLH5 | 30 | 0.009 | 0.0112 | - | - | 56 | 6.5 | PowerFLAT 5x6 |
| STL58N3LLH5 | 30 | 0.009 | 0.0112 | - | Yes | 56 | 6.5 | PowerFLAT 5x6 |
| STI55NF03L | 30 | 0.013 | 0.02 | - | Yes | 55 | 20 | I ² PAK |
| STL40DN3LLH5 | 30 | 0.018 | 0.025 | - | Yes | 11 | 4.5 | PowerFLAT 5x6 double island |
| STL10N3LLH5 | 30 | 0.019 | 0.022 | - | Yes | 9 | 5 | PowerFLAT 3.3x3.3 |
| STP40NF03L | 30 | 0.025 | 0.025 | - | - | 40 | 18 | TO-220 |
| STT6N3LLH6 | 30 | 0.025 | 0.036 | - | - | 6 | 3.6 | SOT23-6L |
| STD30NF03LT4 | 30 | 0.025 | 0.035 | - | - | 30 | 31 | DPAK |
| STD19N3LLH6AG | 30 | 0.033 | 0.05 | - | Yes | 10 | 3.7 | DPAK |
| STL19N3LLH6AG ^(*) | 30 | 0.033 | 0.05 | - | Yes | - | 3.7 | PowerFLAT 5x6 |
| STN19N3LLH6AG ^(*) | 30 | 0.033 | 0.05 | - | Yes | - | 3.7 | SOT-223 |
| STL6N3LLH6 | 30 | 0.035 | 0.06 | - | - | 6 | 3.6 | PowerFLAT 2x2 |
| STD17NF03LT4 | 30 | 0.05 | 0.06 | - | - | 30 | 9 | DPAK |
| STD18NF03L | 30 | 0.05 | 0.06 | - | Yes | 17 | 4.8 | DPAK |
| STN4NF03L | 30 | 0.05 | 0.06 | - | - | 4 | 6.5 | SOT-223 |
| STL66DN3LLH5 | 30 | 0.065 | 0.0079 | - | Yes | 20 | 12 | PowerFLAT 5x6 double island |
| STP200N3LL ^(*) | 30 | 0.0031 | 0.0024 | - | - | 120 | 40 | TO-220 |
| STD150NS3LLH7 ^(*) | 30 | 0.0021 | 0.0031 | - | - | 160 | 22 | DPAK |
| STD90NS3LLH7 | 30 | 0.0034 | 0.0053 | - | - | 80 | 13.7 | DPAK |

Note: * Coming soon

N-channel STripFET >30 V to 350 V

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5 V or 5 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|------------------------------|----------------------|---|---|------------------|--------------------------|---------------------------|---------------------------------|
| STP80NS04ZB | 33 | 0.009 | - | Yes | 80 | 80 | TO-220 |
| STP70NS04ZC | 33 | 0.011 | - | Yes | 80 | 58 | TO-220 |
| STP75NS04Z | 33 | 0.011 | - | - | 80 | 50 | TO-220 |
| STD70NS04ZL | 33 | 0.0125 | 0.0105 | Yes | 70 | 32 | DPAK |
| STP62NS04Z | 33 | 0.015 | - | - | 62 | 34 | TO-220 |
| STH410N4F7-2AG | 40 | 0.0011 | - | Yes | 180 | 220 | H ² PAK-2 |
| STH410N4F7-6AG | 40 | 0.0011 | - | Yes | 180 | 220 | H ² PAK-6 |
| STL285N4F7AG | 40 | 0.0011 | - | Yes | 120 | 67 | PowerFLAT 5x6 |
| STL260N4LF7 ^(*) | 40 | 0.0011 | 0.0014 | - | 120 | 63 | PowerFLAT 5x6 |
| STH400N4F6-2 | 40 | 0.00115 | - | Yes | 180 | 404 | H ² PAK-2 |
| STH400N4F6-6 | 40 | 0.00115 | - | Yes | 180 | 404 | H ² PAK-6 |
| STH360N4F6-2 | 40 | 0.00125 | - | Yes | 180 | 340 | H ² PAK-2 |
| STH320N4F6-2 | 40 | 0.0013 | - | Yes | 200 | 240 | H ² PAK-2 |
| STH320N4F6-6 | 40 | 0.0013 | - | Yes | 200 | 160 | H ² PAK-6 |
| STV270N4F3 | 40 | 0.0015 | - | Yes | 270 | 110 | PowerSO-10 |
| STLD200N4F6AG | 40 | 0.0015 | - | Yes | 120 | 172 | PowerFLAT 5x6 dual side cooling |
| STI410N4F7AG | 40 | 0.0015 | - | Yes | 180 | 220 | TO-220 |
| STP410N4F7AG | 40 | 0.0015 | - | Yes | 180 | 220 | TO-220 |
| STH260N4LF7-2 ^(*) | 40 | 0.0016 | 0.0019 | - | 180 | 63 | H ² PAK-2 |
| STL210N4F7AG | 40 | 0.0016 | - | Yes | 120 | 43 | PowerFLAT 5x6 |
| STH260N4LF7-6 | 40 | 0.0016 | 0.0019 | - | - | 60 | H ² PAK-6 |
| STH270N4F3-2 | 40 | 0.0017 | - | - | 180 | 110 | H ² PAK-2 |
| STH270N4F3-6 | 40 | 0.0017 | - | Yes | 180 | 110 | H ² PAK-6 |
| STH290N4F6-6AG | 40 | 0.0017 | - | - | 180 | 115 | H ² PAK-6 |
| STH290N4F6-2AG | 40 | 0.0017 | - | - | 180 | 115 | H ² PAK-2 |
| STI400N4F6 | 40 | 0.0017 | - | Yes | 120 | 377 | I ² PAK |
| STP400N4F6 | 40 | 0.0017 | - | Yes | 120 | 377 | TO-220 |

Note: * Coming soon

N-CHANNEL STRIPFET >30 V TO 350 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5 V or 5 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|----------------|----------------------|---|---|------------------|--------------------------|---------------------------|---------------------------------|
| STI360N4F6 | 40 | 0.0018 | - | Yes | 120 | 340 | I ² PAK |
| STP360N4F6 | 40 | 0.0018 | - | Yes | 120 | 340 | TO-220 |
| STB270N4F3 | 40 | 0.002 | - | Yes | 160 | 110 | D ² PAK |
| STL190N4F7AG | 40 | 0.002 | - | Yes | 120 | 41 | PowerFLAT 5x6 |
| STP260N4LF7 | 40 | 0.002 | 0.0023 | - | 110 | 63 | TO-220 |
| STF260N4F7(*) | 40 | 0.0022 | - | - | 120 | 67 | TO-220FP |
| STI300N4F6 | 40 | 0.0022 | - | Yes | 160 | 240 | I ² PAK |
| STFU260N4F7(*) | 40 | 0.0022 | - | - | 120 | 67 | TO-220FP ultra narrow leads |
| STL260N4F7(*) | 40 | 0.0022 | - | - | 120 | 67 | PowerFLAT 5x6 |
| STP260N4F7(*) | 40 | 0.0022 | - | - | 120 | 67 | TO-220 |
| STH175N4F6-2AG | 40 | 0.0024 | - | Yes | 120 | 130 | H ² PAK-2 |
| STH175N4F6-6AG | 40 | 0.0024 | - | Yes | 120 | 130 | H ² PAK-6 |
| STH180N4F6-2 | 40 | 0.0024 | - | - | 120 | 130 | H ² PAK-2 |
| STL160N4F7 | 40 | 0.0025 | - | - | 120 | 29 | PowerFLAT 5x6 |
| STL140N4F7AG | 40 | 0.0025 | - | Yes | 120 | 29 | PowerFLAT 5x6 |
| STI270N4F3 | 40 | 0.0026 | - | Yes | 160 | 110 | I ² PAK |
| STL140N4LLF5 | 40 | 0.0027 | 0.0031 | - | 140 | 45 | PowerFLAT 5x6 |
| STD175N4F6AG | 40 | 0.0027 | - | Yes | 80 | 130 | DPAK |
| STD180N4F6 | 40 | 0.0027 | - | - | 80 | 130 | DPAK |
| STI175N4F6AG | 40 | 0.0027 | - | - | 120 | 130 | I ² PAK |
| STP180N4F6 | 40 | 0.0027 | - | - | 120 | 130 | TO-220 |
| STD170N4F7AG | 40 | 0.0028 | - | Yes | - | - | DPAK |
| STH160N4LF6-2 | 40 | 0.0032 | 0.0046 | - | 160 | 180 | H ² PAK-2 |
| STLD125N4F6AG | 40 | 0.003 | - | Yes | 120 | 90 | PowerFLAT 5x6 dual side cooling |
| STD134N4F7AG | 40 | 0.0035 | - | Yes | - | - | TO-220 |
| STL120N4F6AG | 40 | 0.0036 | - | Yes | 120 | 63 | PowerFLAT 5x6 |
| STD130N4F6AG | 40 | 0.0036 | - | Yes | 80 | 7 | DPAK |
| STL120N4LF6AG | 40 | 0.0036 | - | Yes | 120 | - | PowerFLAT 5x6 |

Note: * Coming soon

N-CHANNEL STRIPFET >30 V TO 350 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5 V or 5 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|------------------------------|----------------------|---|---|------------------|--------------------------|---------------------------|-----------------------------|
| STB120N4F6 | 40 | 0.004 | - | Yes | 80 | 65 | D ² PAK |
| STB140N4F6 | 40 | 0.004 | - | - | 80 | 70 | D ² PAK |
| STB120N4LF6 | 40 | 0.004 | 0.005 | Yes | 80 | 80 | D ² PAK |
| STD120N4F6 | 40 | 0.004 | - | Yes | 80 | 65 | DPAK |
| STD120N4LF6 | 40 | 0.004 | 0.005 | Yes | 80 | 80 | DPAK |
| STP180NS04ZC | 40 | 0.0042 | - | Yes | 120 | 110 | TO-220 |
| STP120N4F6 | 40 | 0.0043 | - | Yes | 80 | 65 | TO-220 |
| STP140N4F6 | 40 | 0.0043 | - | - | 80 | 70 | TO-220 |
| STL105DN4LF7AG | 40 | 0.0045 | 0.008 | Yes | - | - | PowerFLAT 5x6 double island |
| STL105N4LF7AG ^(*) | 40 | 0.0045 | 0.008 | - | 105 | 13 | PowerFLAT 5x6 |
| STB100NF04T4 | 40 | 0.0046 | - | - | 120 | 110 | D ² PAK |
| STP100NF04 | 40 | 0.0046 | - | Yes | 120 | 110 | TO-220 |
| STB170NF04 | 40 | 0.005 | - | Yes | 80 | 117 | D ² PAK |
| STD95N4F3 | 40 | 0.0058 | - | Yes | 80 | 40 | DPAK |
| STL76DN4LF7AG | 40 | 0.006 | 0.0012 | Yes | 40 | 14 | PowerFLAT 5x6 double island |
| STD95N4LF3 | 40 | 0.006 | - | Yes | 80 | 50 | DPAK |
| STD80N4F6 | 40 | 0.006 | - | Yes | 80 | 36 | DPAK |
| STP95N4F3 | 40 | 0.0062 | - | Yes | 80 | 40 | TO-220 |
| STB80N4F6AG | 40 | 0.0063 | - | Yes | 80 | 36 | D ² PAK |
| STL70N4LLF5 | 40 | 0.0067 | 0.009 | Yes | 70 | 12.9 | PowerFLAT 5x6 |
| STP150NF04 | 40 | 0.007 | - | Yes | 80 | 118 | TO-220 |
| STD64N4F6AG | 40 | 0.0082 | - | Yes | 54 | 44 | DPAK |
| STL15DN4F5 | 40 | 0.009 | - | Yes | 15 | 25 | PowerFLAT 5x6 double island |
| STD44N4LF6 | 40 | 0.0125 | 0.018 | Yes | 44 | 22 | DPAK |
| STL52DN4LF7AG | 40 | 0.016 | 0.02 | Yes | 18 | 12 | PowerFLAT 5x6 double island |
| STD30NF04LT | 40 | 0.03 | 0.05 | Yes | 30 | 17 | DPAK |
| STL260N45LF7 ^(*) | 45 | 0.00115 | 0.0015 | - | 120 | 55 | PowerFLAT 5x6 |
| STL200N45LF7 | 45 | 0.0018 | 0.0025 | - | 120 | 33 | PowerFLAT 5x6 |

Note: * Coming soon

N-CHANNEL STRIPFET >30 V TO 350 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5 V or 5 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-------------------------------|----------------------|---|---|------------------|--------------------------|---------------------------|--------------------|
| STP190N55LF3 | 55 | 0.0037 | 0.0045 | Yes | 120 | 60 | TO-220 |
| STP185N55F3 | 55 | 0.0038 | - | Yes | 120 | 110 | TO-220 |
| STP110N55F6 | 55 | 0.0052 | - | - | 110 | 126 | TO-220 |
| STB150NF55T4 | 55 | 0.006 | - | Yes | 120 | 140 | D ² PAK |
| STP150NF55 | 55 | 0.006 | - | Yes | 150 | 140 | TO-220 |
| STB80NF55-06-1 | 55 | 0.0065 | - | Yes | 80 | 140 | I ² PAK |
| STB80NF55-06T4 | 55 | 0.0065 | - | - | 80 | 140 | D ² PAK |
| STB80NF55L-06T4 | 55 | 0.0065 | 0.008 | - | 80 | 175 | D ² PAK |
| STP80NF55-06 | 55 | 0.0065 | - | - | 80 | 140 | TO-220 |
| STP80NF55-06FP | 55 | 0.0065 | - | - | 80 | 140 | TO-220FP |
| STP80NF55L-06 | 55 | 0.0065 | 0.008 | - | 80 | 175 | TO-220 |
| STP140NF55T4 | 55 | 0.008 | - | - | 80 | 142 | D ² PAK |
| STB141NF55 | 55 | 0.008 | - | Yes | 80 | 142 | TO-220 |
| STB78NF55-08 | 55 | 0.008 | - | - | 80 | 112 | D ² PAK |
| STB80NF55-08AG ^(*) | 55 | 0.008 | - | Yes | 80 | 112 | D ² PAK |
| STB85NF55LT4 | 55 | 0.008 | - | Yes | 80 | 80 | D ² PAK |
| STB85NF55T4 | 55 | 0.008 | 0.01 | Yes | 80 | 120 | D ² PAK |
| STP140NF55 | 55 | 0.008 | - | - | 80 | 142 | TO-220 |
| STP141NF55 | 55 | 0.008 | - | Yes | 80 | 142 | TO-220 |
| STP80NF55-08AG ^(*) | 55 | 0.008 | - | Yes | 80 | 112 | TO-220 |
| STP85NF55 | 55 | 0.008 | - | Yes | 80 | 120 | TO-220 |
| STP85NF55L | 55 | 0.008 | - | Yes | 80 | 80 | TO-220 |
| STP90N55F4 | 55 | 0.008 | - | - | 80 | 90 | TO-220 |
| STD60N55F3 | 55 | 0.0085 | - | - | 65 | 33.5 | DPAK |
| STD65N55LF3 | 55 | 0.0085 | 0.012 | Yes | 80 | 20 | DPAK |
| STD60NF55LAT4 | 55 | 0.015 | 0.017 | Yes | 60 | 72 | DPAK |
| STD60NF55LT4 | 55 | 0.015 | 0.017 | - | 60 | 72 | DPAK |
| STL220N6F7 | 60 | 0.0014 | - | - | 260 | 100 | PowerFLAT 5x6 |

Note: * Coming soon

N-CHANNEL STRIPFET >30 V TO 350 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5 V or 5 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-------------------------------|----------------------|---|---|------------------|--------------------------|---------------------------|----------------------|
| STL225N6F7AG ^(*) | 60 | 0.0014 | - | Yes | 260 | 100 | PowerFLAT 5x6 |
| STH272N6F7-6AG ^(*) | 60 | 0.0015 | - | Yes | 180 | 170 | H ² PAK-6 |
| STL220NS6F7 ^(*) | 60 | 0.0016 | - | - | - | 100 | PowerFLAT 5x6 |
| STH220N6F7-2 | 60 | 0.0021 | - | - | 120 | 100 | H ² PAK-2 |
| STH220N6F7-6 | 60 | 0.0021 | - | - | 120 | 100 | H ² PAK-6 |
| STH265N6F6-2AG | 60 | 0.0021 | - | - | 180 | 183 | H ² PAK-2 |
| STH265N6F6-6AG | 60 | 0.0021 | - | - | 180 | 183 | H ² PAK-6 |
| STP220N6F7 | 60 | 0.0024 | - | - | 120 | 100 | TO-220 |
| STL140N6F7 | 60 | 0.0028 | - | - | 120 | 55 | PowerFLAT 5x6 |
| STW265N6F6AG | 60 | 0.00285 | - | Yes | 180 | 183 | TO-247 |
| STH140N6F7-2 | 60 | 0.0032 | - | - | 80 | 55 | H ² PAK-2 |
| STH140N6F7-6 | 60 | 0.0032 | - | - | 80 | 55 | H ² PAK-6 |
| STF140N6F7 | 60 | 0.0035 | - | - | 80 | 55 | TO-220FP |
| STF140N6F7 | 60 | 0.0035 | - | - | 80 | 55 | I ² PAKFP |
| STL130N6F7 | 60 | 0.0035 | - | - | 130 | 45 | PowerFLAT 5x6 |
| STD140N6F7 | 60 | 0.0038 | - | - | 80 | 55 | DPAK |
| STP140N6F7 | 60 | 0.0038 | - | - | 80 | 40 | TO-220 |
| STD130N6F7 | 60 | 0.005 | - | - | 80 | 45 | DPAK |
| STD80N6F6 | 60 | 0.005 | - | Yes | 80 | 147 | DPAK |
| STP130N6F7 | 60 | 0.005 | - | - | 80 | 45 | TO-220 |
| STP80N6F6 | 60 | 0.005 | - | Yes | 80 | 147 | TO-220 |
| STB130N6F7 | 60 | 0.005 | - | - | 80 | 45 | D ² PAK |
| STL20N6F7 | 60 | 0.0054 | - | - | 20 | 30 | PowerFLAT 3.3x3.3 |
| STL90N6F7 | 60 | 0.0054 | - | - | 90 | 30 | PowerFLAT 5x6 |
| STF100N6F7 | 60 | 0.0056 | - | - | 46 | 30 | TO-220FP |
| STP100N6F7 | 60 | 0.0056 | - | - | 100 | 30 | TO-220 |
| STB100N6F7 | 60 | 0.0056 | - | - | 100 | 30 | D ² PAK |
| STP90N6F6 | 60 | 0.0063 | - | - | 90 | 74.9 | TO-220 |

Note: * Coming soon

N-CHANNEL STRIPFET >30 V TO 350 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5 V or 5 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|---------------------------|----------------------|---|---|------------------|--------------------------|---------------------------|-----------------------------|
| STL16N6LF7 ^(*) | 60 | 0.0064 | 0.0096 | - | 16 | 15 | PowerFLAT 3.3x3.3 |
| STL90N6LF7 ^(*) | 60 | 0.0064 | 0.0096 | - | 90 | 15 | PowerFLAT 5x6 |
| STP77N6F6 | 60 | 0.007 | - | - | 77 | 70.5 | TO-220 |
| STD46N6F7 | 60 | 0.014 | - | - | 15 | 17 | DPAK |
| STL50N6F7 | 60 | 0.014 | - | - | 50 | 17 | PowerFLAT 5x6 |
| STP60NF06L | 60 | 0.014 | 0.016 | - | 60 | 35 | TO-220 |
| STP65NF06 | 60 | 0.014 | - | - | 60 | 54 | TO-220 |
| STB60NF06LT4 | 60 | 0.014 | 0.016 | Yes | 60 | 65 | D ² PAK |
| STL50DN6F7 | 60 | 0.014 | - | - | 50 | 17 | PowerFLAT 5x6 double island |
| STL11N6F7 | 60 | 0.015 | - | - | 11 | 17 | PowerFLAT 3.3x3.3 |
| STB60NF06T4 | 60 | 0.016 | 0 | - | 60 | 49 | D ² PAK |
| STD60NF06T4 | 60 | 0.016 | - | - | 60 | 49 | DPAK |
| STP60NF06 | 60 | 0.016 | - | - | 60 | 49 | TO-220 |
| STP60NF06FP | 60 | 0.016 | - | - | 30 | 49 | TO-220FP |
| STB55NF06LT4 | 60 | 0.017 | 0.02 | - | 35 | 25 | D ² PAK |
| STD35NF06LT4 | 60 | 0.017 | - | Yes | 35 | 25 | DPAK |
| STB55NF06T4 | 60 | 0.018 | - | - | 50 | 44.5 | D ² PAK |
| STP55NF06 | 60 | 0.018 | - | - | 50 | 44.5 | TO-220 |
| STP55NF06L | 60 | 0.018 | 0.02 | - | 55 | 27 | TO-220 |
| STS7NF60L | 60 | 0.0195 | 0.0215 | - | 7.5 | 25 | SO-8 |
| STD35NF06T4 | 60 | 0.02 | - | - | 50 | 35 | DPAK |
| STL7N6F7 | 60 | 0.023 | - | - | 7 | 8 | PowerFLAT 2x2 |
| STL8N6F7 | 60 | 0.023 | - | - | 8 | 8 | PowerFLAT 3.3x3.3 |
| STD35NF06T4 | 60 | 0.024 | - | - | 35 | 44.5 | DPAK |
| STD30N6LF6AG | 60 | 0.025 | 0.03 | Yes | 24 | 27.3 | DPAK |
| STL36DN6F7 | 60 | 0.027 | - | - | 36 | 8 | PowerFLAT 5x6 double island |
| STL8DN6LF6AG | 60 | 0.027 | 0.031 | Yes | 9.6 | 27.3 | PowerFLAT 5x6 double island |
| STL8N6LF6AG | 60 | 0.027 | 0.031 | Yes | 9.6 | 27.3 | PowerFLAT 5x6 |

Note: * Coming soon

N-CHANNEL STRIPFET >30 V TO 350 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5 V or 5 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-----------------------------|----------------------|---|---|------------------|--------------------------|---------------------------|-----------------------------|
| STS8DN6LF6AG | 60 | 0.027 | 0.031 | Yes | 9.6 | 27.3 | SO-8 |
| STS8N6LF6AG | 60 | 0.027 | 0.031 | Yes | 9.6 | 27.3 | SO-8 |
| STB45NF06T4 | 60 | 0.028 | - | - | 38 | 0 | D ² PAK |
| STD29NF06L | 60 | 0.028 | 0.03 | - | 28 | 0 | DPAK |
| STD30NF06LAG | 60 | 0.028 | 0.03 | - | 28 | 0 | DPAK |
| STF40NF06 | 60 | 0.028 | - | Yes | 23 | 32 | TO-220FP |
| STP45NF06 | 60 | 0.028 | - | - | 38 | 32 | TO-220 |
| STL8DN6LF3 | 60 | 0.03 | 0.044 | Yes | 7.8 | 13 | PowerFLAT 5x6 double island |
| STL8N6LF3 | 60 | 0.03 | 0.044 | Yes | 7.8 | 13 | PowerFLAT 5x6 |
| STL20DNF06LAG | 60 | 0.04 | 0.05 | Yes | 20 | 22.5 | PowerFLAT 5x6 double island |
| STD19NF06L | 60 | 0.04 | 0.048 | - | - | - | DPAK |
| STD20NF06 | 60 | 0.04 | - | - | 23 | 20 | DPAK |
| STD20NF06LAG ^(*) | 60 | 0.04 | 0.048 | Yes | - | 12 | DPAK |
| STD22NF06AG | 60 | 0.04 | - | Yes | 23 | 20 | DPAK |
| STL20NF06LAG ^(*) | 60 | 0.04 | 0.05 | Yes | 20 | 22.5 | PowerFLAT 5x6 |
| STP36NF06L | 60 | 0.04 | 0.05 | Yes | 30 | 12 | TO-220 |
| STL7DN6LF3 | 60 | 0.043 | 0.06 | Yes | 6.5 | 8.7 | PowerFLAT 5x6 double island |
| STL7N6LF3 | 60 | 0.043 | 0.06 | Yes | 6.5 | 8.8 | PowerFLAT 5x6 |
| STS5DNF60L | 60 | 0.045 | 0.065 | Yes | 4 | 15 | SO-8 |
| STS4DNF60L | 60 | 0.055 | 0.065 | - | 4 | 32 | SO-8 |
| STS5NF60L | 60 | 0.055 | 0.065 | Yes | 5 | 17 | SO-8 |
| STB25NF06AG | 60 | 0.07 | - | Yes | 16 | 14 | D ² PAK |
| STB25NF06LAG ^(*) | 60 | 0.07 | 0.085 | Yes | 25 | 14 | D ² PAK |
| STD16NF06LT4 | 60 | 0.07 | 0.085 | - | 24 | 14 | DPAK |
| STD16NF06T4 | 60 | 0.07 | - | - | 16 | 14 | DPAK |
| STP16NF06L | 60 | 0.09 | - | - | 16 | 7.3 | TO-220 |
| STD11NF06L ^(*) | 60 | 0.1 | 0.12 | - | 12 | 7.5 | DPAK |
| STD12NF06LAG ^(*) | 60 | 0.1 | 0.12 | Yes | 12 | 7.5 | DPAK |

Note: * Coming soon

N-CHANNEL STRIPFET >30 V TO 350 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5 V or 5 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|----------------|----------------------|---|---|------------------|--------------------------|---------------------------|----------------------|
| STD12NF06T4 | 60 | 0.1 | - | - | 12 | 10 | DDPAK |
| STN3NF06 | 60 | 0.1 | - | - | 3 | 10 | SOT-223 |
| STN3NF06L | 60 | 0.1 | 0.12 | - | 3 | 12 | SOT-223 |
| STN4NF06L | 60 | 0.1 | 0.12 | Yes | 4 | 7 | SOT-223 |
| STP80N70F6 | 68 | 0.008 | - | - | 96 | 100 | TO-220 |
| STP110N7F6 | 68 | 0.0065 | - | - | 110 | 100 | TO-220 |
| STP80N70F4 | 68 | 0.0098 | 0 | - | 85 | 76 | TO-220 |
| STH110N7F6-2 | 68 | 0.0063 | - | - | 110 | 100 | H ² PAK-2 |
| STH240N75F3-2 | 75 | 0.003 | - | - | 180 | 87 | H ² PAK-2 |
| STH245N75F3-6 | 75 | 0.003 | - | Yes | 180 | 87 | H ² PAK-6 |
| STP160N75F3 | 75 | 0.004 | - | - | 120 | 85 | TO-220 |
| STP140NF75 | 75 | 0.0075 | - | - | 120 | 160 | TO-220 |
| STP75NF75FP | 75 | 0.011 | - | - | 40 | 117 | TO-220FP |
| STP76NF75 | 75 | 0.011 | - | Yes | 80 | 117 | TO-220 |
| STP75NF75 | 75 | 0.013 | - | - | 75 | 110 | TO-220 |
| STB160N75F3 | 75 | 0.0037 | - | - | 120 | 85 | D ² PAK |
| STB140NF75T4 | 75 | 0.0075 | - | - | 120 | 160 | D ² PAK |
| STB75NF75LT4 | 75 | 0.011 | 0.013 | - | 75 | 150 | D ² PAK |
| STB75NF75T4 | 75 | 0.011 | - | - | 80 | 117 | D ² PAK |
| STD45NF75T4 | 75 | 0.024 | - | Yes | 30 | 60 | DDPAK |
| STB76NF75 | 75 | 0.011 | - | Yes | 80 | 117 | D ² PAK |
| STH245N75F3-6 | 75 | 0.03 | 0 | - | 180 | 87 | H ² PAK-6 |
| STH270N8F7-2 | 80 | 0.0021 | - | - | 180 | 193 | H ² PAK-2 |
| STH270N8F7-6 | 80 | 0.0021 | - | - | 180 | 193 | H ² PAK-6 |
| STH275N8F7-2AG | 80 | 0.0021 | - | Yes | 180 | 193 | H ² PAK-2 |
| STH275N8F7-6AG | 80 | 0.0021 | - | Yes | 180 | 193 | H ² PAK-6 |
| STP270N8F7 | 80 | 0.0025 | - | - | 180 | 193 | TO-220 |
| STL130N8F7 | 80 | 0.0036 | - | - | 24 | 96 | PowerFLAT 5x6 |

Note: * Coming soon

N-CHANNEL STRIPFET >30 V TO 350 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5 V or 5 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|----------------|----------------------|---|---|------------------|--------------------------|---------------------------|----------------------|
| STL135N8F7AG | 80 | 0.0036 | - | Yes | 130 | 96 | PowerFLAT 5x6 |
| STLD130N8F7(*) | 80 | 0.0036 | - | - | 0 | 96 | PowerFLAT 5x6 |
| STH170N8F7-2 | 80 | 0.0037 | - | - | 120 | 120 | H ² PAK-2 |
| STP170N8F7 | 80 | 0.0039 | - | - | 120 | 120 | TO-220 |
| STH140N8F7-2 | 80 | 0.004 | - | - | 90 | 96 | H ² PAK-2 |
| STH145N8F7-2AG | 80 | 0.004 | - | Yes | 90 | 96 | H ² PAK-2 |
| STF140N8F7 | 80 | 0.0043 | - | - | 64 | 96 | TO-220FP |
| STP140N8F7 | 80 | 0.0043 | - | - | 90 | 96 | TO-220 |
| STL120N8F7 | 80 | 0.0044 | - | - | 120 | 60 | PowerFLAT 5x6 |
| STH130N8F7-2 | 80 | 0.005 | 0 | - | 110 | 60 | H ² PAK-2 |
| STP130N8F7 | 80 | 0.0058 | 0 | - | 80 | 60 | TO-220 |
| STL100N8F7 | 80 | 0.0061 | - | - | 100 | 47 | PowerFLAT 5x6 |
| STD110N8F6 | 80 | 0.0065 | - | - | 110 | 150 | DPAK |
| STP110N8F6 | 80 | 0.0065 | - | - | 110 | 150 | TO-220 |
| STL100N8F7 | 80 | 0.007 | - | - | 110 | 47 | PowerFLAT 5x6 |
| STL75N8LF6 | 80 | 0.0074 | 0.0082 | - | 18 | 51 | PowerFLAT 5x6 |
| STP110N8F7 | 80 | 0.0075 | - | - | 80 | 47 | TO-220 |
| STP100N8F6 | 80 | 0.009 | - | - | 100 | 90 | TO-220 |
| STH310N10F7-2 | 100 | 0.0023 | - | - | 180 | 180 | H ² PAK-2 |
| STH310N10F7-6 | 100 | 0.0023 | - | - | 180 | 180 | H ² PAK-6 |
| STH315N10F7-2 | 100 | 0.0023 | - | Yes | 180 | 180 | H ² PAK-2 |
| STH315N10F7-6 | 100 | 0.0023 | - | Yes | 180 | 180 | H ² PAK-6 |
| STH240N10F7-2 | 100 | 0.0025 | - | - | 180 | 160 | H ² PAK-2 |
| STH240N10F7-6 | 100 | 0.0025 | - | - | 180 | 160 | H ² PAK-6 |
| STP310N10F7 | 100 | 0.0027 | - | - | 180 | 180 | TO-220 |
| STP315N10F7 | 100 | 0.0027 | - | Yes | 180 | 180 | TO-220 |
| STP240N10F7 | 100 | 0.0032 | - | - | 110 | 160 | TO-220 |
| STF150N10F7 | 100 | 0.0042 | - | - | 65 | 117 | TO-220FP |

Note: * Coming soon

N-CHANNEL STRIPFET >30 V TO 350 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5 V or 5 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|------------------|----------------------|---|---|------------------|--------------------------|---------------------------|---------------------------------|
| STI150N10F7 | 100 | 0.0042 | - | - | 110 | 117 | I ² PAK |
| STP150N10F7 | 100 | 0.0042 | - | - | 110 | 117 | TO-220 |
| STH180N10F3-2 | 100 | 0.0045 | - | - | 180 | 114.6 | H ² PAK-2 |
| STH185N10F3-2 | 100 | 0.0045 | - | Yes | 180 | 114.6 | H ² PAK-2 |
| STH150N10F7-2 | 100 | 0.0045 | - | - | 90 | 92 | H ² PAK-2 |
| STP180N10F3 | 100 | 0.0051 | - | - | 120 | 115 | TO-220 |
| STP165N10F4 | 100 | 0.0055 | - | - | 120 | 180 | TO-220 |
| STL110N10F7 | 100 | 0.006 | - | - | 100 | 72 | PowerFLAT 5x6 |
| STLD110N10F7(*) | 100 | 0.006 | - | - | 100 | 72 | PowerFLAT 5x6 dual side cooling |
| STH110N10F7-2(*) | 100 | 0.0065 | - | - | 110 | 72 | H ² PAK-2 |
| STH110N10F7-6 | 100 | 0.0065 | - | - | 110 | 72 | H ² PAK-6 |
| STF110N10F7 | 100 | 0.007 | - | - | 45 | 72 | TO-220FP |
| STP110N10F7 | 100 | 0.007 | - | - | 110 | 72 | TO-220 |
| STL100N10F7 | 100 | 0.0073 | - | - | 19 | 61 | PowerFLAT 5x6 |
| STL90N10F7 | 100 | 0.008 | - | - | 70 | 45 | PowerFLAT 5x6 |
| STD100N10F7 | 100 | 0.008 | - | - | 80 | 61 | DPAK |
| STD105N10F7AG | 100 | 0.008 | - | Yes | 80 | 61 | DPAK |
| STF100N10F7 | 100 | 0.008 | - | - | 45 | 61 | TO-220FP |
| STP100N10F7 | 100 | 0.008 | - | - | 80 | 61 | TO-220 |
| STB100N10F7 | 100 | 0.008 | - | - | 80 | 61 | D ² PAK |
| STH80N10F7-2 | 100 | 0.0095 | - | - | 80 | 45 | H ² PAK-2 |
| STF130N10F3 | 100 | 0.0096 | - | - | 46 | 57 | I ² PAKFP |
| STD80N10F7 | 100 | 0.01 | - | - | 70 | 45 | DPAK |
| STD85N10F7AG | 100 | 0.01 | - | - | 80 | 45 | DPAK |
| STF80N10F7 | 100 | 0.01 | - | - | 40 | 45 | TO-220FP |
| STP80N10F7 | 100 | 0.01 | - | - | 80 | 45 | TO-220 |
| STH80N10LF7-2AG | 100 | 0.01 | 0.016 | Yes | - | - | H ² PAK-2 |
| STL80N10LF7AG | 100 | 0.01 | 0.016 | Yes | - | - | PowerFLAT 5x6 |

Note: * Coming soon

N-CHANNEL STripFET >30 V TO 350 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5 V or 5 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-----------------|----------------------|---|---|------------------|--------------------------|---------------------------|----------------------|
| STB120NF10T4 | 100 | 0.0105 | 0 | - | 120 | 172 | D ² PAK |
| STP80NF10 | 100 | 0.014 | - | - | 80 | 140 | TO-220 |
| STP80NF10FP | 100 | 0.015 | - | - | 38 | 140 | TO-220FP |
| STB80NF10T4 | 100 | 0.015 | - | - | 80 | 135 | D ² PAK |
| STD45N10F7 | 100 | 0.016 | - | - | 45 | 22 | DPAK |
| STD47N10F7AG | 100 | 0.016 | - | Yes | 45 | 25 | DPAK |
| STI45N10F7 | 100 | 0.016 | - | - | 45 | 22 | I ² PAK |
| STP45N10F7 | 100 | 0.016 | - | - | 45 | 22 | TO-220 |
| STL60N10F7 | 100 | 0.0165 | - | - | 12 | 25 | PowerFLAT 5x6 |
| STF45N10F7 | 100 | 0.018 | - | - | 30 | 25 | TO-220FP |
| STW70N10F4 | 100 | 0.0195 | - | - | 65 | 85 | TO-247 |
| STH52N10LF3-2AG | 100 | 0.02 | 0.026 | Yes | 52 | 18.5 | H ² PAK-2 |
| STL8N10F7 | 100 | 0.02 | - | - | 35 | 25 | PowerFLAT 3.3x3.3 |
| STP60NF10 | 100 | 0.023 | - | - | 80 | 104 | TO-220 |
| STB60NF10 | 100 | 0.023 | - | - | 80 | 104 | D ² PAK |
| STD30N10F7 | 100 | 0.024 | - | - | 35 | 19 | DPAK |
| STF30N10F7 | 100 | 0.024 | - | - | 35 | 19 | TO-220FP |
| STL40N10F7 | 100 | 0.024 | - | - | 10 | 14 | PowerFLAT 5x6 |
| STP30N10F7 | 100 | 0.024 | - | - | 35 | 18 | TO-220 |
| STD40NF10 | 100 | 0.028 | - | - | 50 | 46.5 | DPAK |
| STP40NF10 | 100 | 0.028 | - | - | 50 | 60 | TO-220 |
| STP40NF10L | 100 | 0.033 | 0.036 | - | 40 | 0 | TO-220 |
| STB40NF10LT4 | 100 | 0.033 | 0.036 | - | 40 | 0 | D ² PAK |
| STL8N10LF3 | 100 | 0.035 | 0.05 | Yes | 7.8 | 20.5 | PowerFLAT 5x6 |
| STD25N10F7 | 100 | 0.035 | - | - | 25 | 13 | DPAK |
| STF25N10F7 | 100 | 0.035 | - | - | 25 | 13 | TO-220FP |
| STL30N10F7 | 100 | 0.035 | - | - | 8 | 14 | PowerFLAT 5x6 |
| STL7N10F7 | 100 | 0.035 | - | - | 7 | 14 | PowerFLAT 3.3x3.3 |
| STP25N10F7 | 100 | 0.035 | - | - | 25 | 13 | TO-220 |

N-CHANNEL STRIPFET >30 V TO 350 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5 V or 5 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|------------------------------|----------------------|---|---|------------------|--------------------------|---------------------------|-----------------------------|
| STU25N10F7 | 100 | 0.035 | - | - | 25 | 10 | IPAK |
| STD25NF10LA | 100 | 0.035 | 0.04 | Yes | 25 | 38 | DPAK |
| STD25NF10LT4 | 100 | 0.035 | 0.04 | - | 25 | 0 | DPAK |
| STL8DN10LF3 | 100 | 0.035 | 0.05 | Yes | 7.8 | 20.5 | PowerFLAT 5x6 double island |
| STD25NF10T4 | 100 | 0.038 | 0 | - | 25 | 55 | DPAK |
| STD26NF10T4 | 100 | 0.038 | - | Yes | 25 | 55 | DPAK |
| STD20NF10 | 100 | 0.045 | - | - | 30 | 40 | DPAK |
| STB30NF10T4 | 100 | 0.045 | 0 | - | 35 | 40 | D ² PAK |
| STP30NF10 | 100 | 0.052 | - | - | 30 | 40 | TO-220 |
| STP24NF10 | 100 | 0.06 | - | - | 26 | 30 | TO-220 |
| STD15NF10T4 | 100 | 0.065 | - | - | 23 | 30 | DPAK |
| STL3N10F7 | 100 | 0.07 | - | - | 4 | 7.8 | PowerFLAT 2x2 |
| STL4N10F7 | 100 | 0.07 | - | - | 4.5 | 7.8 | PowerFLAT 3.3x3.3 |
| STL20DN10F7 | 100 | 0.08 | - | - | 5 | 9 | PowerFLAT 5x6 double island |
| STL92N10F7AG | 100 | 0.085 | - | Yes | 70 | 45 | PowerFLAT 5x6 |
| STD100N10LF7AG | 100 | 0.089 | 0.0112 | Yes | - | - | DPAK |
| STD10NF10T4 | 100 | 0.13 | 0 | - | 13 | 15 | DPAK |
| STD6NF10T4 | 100 | 0.25 | 0 | - | 6 | 10 | DPAK |
| STU6NF10 | 100 | 0.25 | - | - | 6 | 10 | IPAK |
| STD6NF10 | 100 | 0.25 | - | - | 6 | 12 | DPAK |
| STN2NF10 | 100 | 0.26 | - | - | 2.4 | 10 | SOT-223 |
| STN1NF10 | 100 | 0.8 | - | - | 1 | 4 | SOT-223 |
| STI100N10F7 | 100 | 80 | - | - | 80 | 60 | I ² PAK |
| STL80N12F7 ^(*) | 120 | 0.0016 | - | - | - | 35 | PowerFLAT 5x6 |
| STF200N12F7 ^(*) | 120 | 0.0043 | - | - | - | 110 | TO-220FP |
| STP200N12F7 ^(*) | 120 | 0.0043 | - | - | - | 110 | TO-220 |
| STH200N12F7-2 ^(*) | 120 | 0.0046 | - | - | - | 110 | H ² PAK-2 |
| STL100N12F7 ^(*) | 120 | 0.0075 | - | - | - | 50 | PowerFLAT 5x6 |

Note: * Coming soon

N-CHANNEL STRIPFET >30 V TO 350 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5 V or 5 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|------------------------------|----------------------|---|---|------------------|--------------------------|---------------------------|----------------------|
| STH100N12F7-6 ^(*) | 120 | 0.008 | - | - | - | 50 | H ² PAK-6 |
| STH100N12F7-2 ^(*) | 120 | 0.008 | - | - | - | 50 | H ² PAK-2 |
| STF100N12F7 ^(*) | 120 | 0.0085 | - | - | - | 50 | TO-220FP |
| STP100N12F7 ^(*) | 120 | 0.0085 | - | - | - | 50 | TO-220 |
| STP80NF12 | 120 | 0.018 | - | - | 80 | 140 | TO-220 |
| STP40NF12 | 120 | 0.032 | - | - | 40 | 60 | TO-220 |
| STH180N15F7-2 ^(*) | 150 | 0.0053 | - | - | - | 125 | H ² PAK-2 |
| STP110N15F7 ^(*) | 150 | 0.0056 | - | - | - | 125 | TO-220 |
| STP180N15F7 ^(*) | 150 | 0.0056 | - | - | - | 125 | TO-220 |
| STH110N15F7-2 ^(*) | 150 | 0.0107 | - | - | - | 70 | H ² PAK-2 |
| STL80N15F7 ^(*) | 150 | 0.0135 | - | - | - | 53 | PowerFLAT 5x6 |
| STH90N15F7-2 ^(*) | 150 | 0.0142 | - | - | - | 53 | H ² PAK-2 |
| STF90N15F7 ^(*) | 150 | 0.0145 | - | - | - | 53 | TO-220 |
| STP90N15F7 ^(*) | 150 | 0.0145 | - | - | - | 53 | TO-220 |
| STS5N15F4 | 150 | 0.063 | - | - | 5 | 48 | SO-8 |
| STD5N20LT4 | 200 | - | 0.7 | - | 5 | 0 | DPAK |
| STP75NF20 | 200 | 0.034 | - | - | 75 | 84 | TO-220 |
| STW75NF20 | 200 | 0.034 | - | - | 75 | 84 | TO-247 |
| STF40NF20 | 200 | 0.045 | - | - | 40 | 75 | TO-220FP |
| STP40NF20 | 200 | 0.045 | - | - | 40 | 75 | TO-220 |
| STW40NF20 | 200 | 0.045 | - | - | 40 | 75 | TO-247 |
| STP30NF20 | 200 | 0.075 | - | - | 30 | 38 | TO-220 |
| STD20NF20 | 200 | 0.125 | - | - | 18 | 28 | DPAK |
| STD25NF20 | 200 | 0.125 | - | Yes | 18 | 28 | DPAK |
| STF20NF20 | 200 | 0.125 | - | - | 18 | 28 | TO-220FP |
| STP20NF20 | 200 | 0.125 | - | - | 18 | 28 | TO-220 |
| STF19NF20 | 200 | 0.16 | - | - | 11 | 24 | TO-220FP |
| STP19NF20 | 200 | 0.16 | - | - | 11 | 24 | TO-220 |

Note: * Coming soon

N-CHANNEL STripFET >30 V TO 350 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5 V or 5 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-------------|----------------------|---|---|------------------|--------------------------|---------------------------|--------------------|
| STN1NF20 | 200 | 1.5 | - | - | 1 | 5.7 | SOT-223 |
| STN4NF20L | 200 | 1.5 | - | - | 1 | 0.9 | SOT-223 |
| STB80N20M5 | 200 | 0.023 | - | - | 61 | 104 | D ² PAK |
| STB75NF20 | 200 | 0.034 | - | - | 75 | 84 | D ² PAK |
| STB40NF20 | 200 | 0.045 | - | - | 40 | 75 | D ² PAK |
| STB30NF20 | 200 | 0.075 | - | - | 30 | 38 | D ² PAK |
| STB30NF20L | 200 | 0.075 | - | Yes | 30 | 65 | D ² PAK |
| STP50NF25 | 250 | 0.069 | - | - | 45 | 68 | TO-220 |
| STB18NF25 | 250 | 0.165 | - | Yes | 17 | 29.5 | D ² PAK |
| STD17NF25 | 250 | 0.165 | - | - | 17 | 30 | DPAK |
| STD18NF25 | 250 | 0.165 | - | Yes | 17 | 29.5 | DPAK |
| STF17NF25 | 250 | 0.165 | - | - | 17 | 29.5 | TO-220FP |
| STP17NF25 | 250 | 0.165 | - | - | 17 | 29.5 | TO-220 |
| STD16NF25 | 250 | 0.235 | - | - | 14 | 18 | DPAK |
| STF16NF25 | 250 | 0.235 | - | - | 14 | 18 | TO-220FP |
| STD8NF25 | 250 | 0.42 | - | Yes | 8 | 16 | DPAK |
| STU7NF25 | 250 | 0.42 | - | - | 8 | 16 | IPAK |
| STB46N30M5 | 300 | 0.04 | - | Yes | 53 | 95 | D ² PAK |
| STW75NF30 | 300 | 0.045 | - | Yes | 60 | 164 | TO-247 |
| STB46NF30 | 300 | 0.075 | - | Yes | 45 | 84 | D ² PAK |
| STP46NF30 | 300 | 0.075 | - | Yes | 45 | 84 | TO-220 |
| STW46NF30 | 300 | 0.075 | - | Yes | 45 | 84 | TO-247 |
| STD10NF30 | 300 | 0.33 | - | Yes | 10 | 23 | DPAK |
| STB18NF30 | 330 | 0.18 | - | Yes | 18 | 44 | D ² PAK |

N-channel >350 V to 700 V

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|------------------------------|----------------------|---|------------------|--------------------------|---------------------------|--------------------|
| STB46N30M5 | 300 | 0.04 | Yes | 53 | 95 | D ² PAK |
| STB46NF30 | 300 | 0.075 | Yes | 45 | 85 | D ² PAK |
| STP46NF30 | 300 | 0.075 | Yes | 45 | 85 | TO-220 |
| STB46NF30 | 300 | 0.075 | Yes | 45 | 85 | D ² PAK |
| STW46NF30 | 300 | 0.075 | Yes | 45 | 85 | TO-247 |
| STB18NF30 | 300 | 0.18 | - | 18 | 44 | D ² PAK |
| STD10NF30 | 300 | 0.33 | Yes | 10 | 23 | DPAK |
| STW75NF30AG ^(*) | 300 | 0.045 | Yes | 60 | 180 | TO-247 |
| STW74NF30 ^(*) | 300 | 0.045 | Yes | 60 | 180 | TO-247 |
| STB45N40DM2AG ⁽¹⁾ | 400 | 0.072 | Yes | 38 | 56 | D ² PAK |
| STP45N40DM2AG ⁽¹⁾ | 400 | 0.072 | Yes | 38 | 56 | TO-220 |
| STD7NK40ZT4 | 400 | 1 | - | 6 | 20 | DPAK |
| STD5NK40ZT4 | 400 | 1.8 | - | 4 | 12 | DPAK |
| STD5NK40Z-1 | 400 | 1.8 | - | 4 | 12 | IPAK |
| STD3N40K3 | 400 | 3.4 | - | 2 | 11 | DPAK |
| STN3N40K3 | 400 | 3.4 | - | 1.8 | 11 | SOT-223 |
| STL3NK40 | 400 | 5.5 | - | 0.43 | 8.7 | PowerFLAT 5X5 HV |
| STN3N45K3 | 450 | 3.8 | - | 0.6 | 6 | SOT-223 |
| STU3N45K3 | 450 | 3.8 | - | 1.8 | 6 | IPAK |
| STY105NM50N | 500 | 0.022 | - | 110 | 326 | Max247 |
| STE53NC50 | 500 | 0.08 | - | 53 | 310 | ISOTOP |
| STB45N50DM2AG ⁽¹⁾ | 500 | 0.084 | Yes | 34 | 57 | D ² PAK |
| STB34N50DM2AG ⁽¹⁾ | 500 | 0.12 | Yes | 26 | 44 | D ² PAK |
| STB23NM50N | 500 | 0.19 | - | 17 | 45 | D ² PAK |
| STF23NM50N | 500 | 0.19 | - | 17 | 45 | TO-220FP |
| STW23NM50N | 500 | 0.19 | - | 17 | 45 | TO-247 |
| STP23NM50N | 500 | 0.19 | - | 17 | 45 | TO-220 |

Note: (*) coming soon, (1) Fast recovery diode devices

N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|--------------------------------|----------------------|---|------------------|--------------------------|---------------------------|--------------------|
| STP19NM50N | 500 | 0.25 | - | 14 | 34 | TO-220 |
| STF19NM50N | 500 | 0.25 | - | 14 | 34 | TO-220FP |
| STB21NK50Z | 500 | 0.27 | Yes | 17 | 85 | D ² PAK |
| STD16N50M2 | 500 | 0.28 | - | 13 | 19.5 | DPAK |
| STF16N50M2 | 500 | 0.28 | - | 13 | 19.5 | TO-220FP |
| STP16N50M2 | 500 | 0.28 | - | 13 | 19.5 | TO-220 |
| STD13NM50N | 500 | 0.32 | - | 12 | 27 | DPAK |
| STD12N50DM2 ⁽¹⁾ | 500 | 0.35 | - | 11 | 16 | DPAK |
| STF12N50DM2 ⁽¹⁾ | 500 | 0.35 | - | 11 | 16 | TO-220FP |
| STD12N50M2 | 500 | 0.38 | - | 10 | 15 | DPAK |
| STF12N50M2 | 500 | 0.38 | - | 10 | 15 | TO-220FP |
| STP12N50M2 | 500 | 0.38 | - | 10 | 15 | TO-220 |
| STD11N50DM2 ⁽¹⁾ | 500 | 0.53 | - | 8 | 12 | DPAK |
| STD11N50M2 | 500 | 0.53 | - | 8 | 12 | DPAK |
| STF11N50M2 | 500 | 0.53 | - | 8 | 12 | TO-220FP |
| STD8NM50N | 500 | 0.79 | - | 5 | 14 | DPAK |
| STD9NM50N | 500 | 0.79 | Yes | 5 | 14 | DPAK |
| STF8NM50N | 500 | 0.79 | - | 5 | 14 | TO-220FP |
| STP8NM50N | 500 | 0.79 | - | 5 | 14 | TO-220 |
| STD14NM50NAG ^(*) | 500 | 0.32 | Yes | 12 | 27 | DPAK |
| STD15N50M2AG ^(*) | 500 | 0.38 | Yes | 10 | 15 | DPAK |
| STD11N50DM2 ^(*) (1) | 500 | 0.53 | - | 8 | 8 | DPAK |
| STD5N52U | 525 | 0.06 | - | 4.4 | 16.9 | DPAK |
| STD7N52K3 | 525 | 0.85 | - | 6 | 33 | DPAK |
| STD6N52K3 | 525 | 1.2 | - | 5 | - | DPAK |
| STD5N52K3 | 525 | 1.5 | - | 4.4 | 17 | DPAK |
| STU5N52K3 | 525 | 1.5 | - | 4.4 | 17 | IPAK |
| STD5N52U ⁽¹⁾ | 525 | 1.5 | - | 4.4 | 17 | DPAK |

Note: (*) coming soon, (1) Fast recovery diode devices

N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-----------------------------------|----------------------|---|------------------|--------------------------|---------------------------|--------------------|
| STD4N52K3 | 525 | 2.6 | - | 2.5 | 11 | DPAK |
| STP36N55M5 | 550 | 0.08 | - | 33 | 72 | TO-220 |
| STL36N55M5 | 550 | 0.09 | - | 22.5 | 67 | PowerFLAT 8x8 HV |
| STD18N55M5 | 550 | 0.192 | - | 16 | 31 | DPAK |
| STY100NM60N | 600 | 0.029 | - | 98 | 330 | Max247 |
| STW75N60M6 ^(*) | 600 | 0.035 | - | - | - | TO-247 |
| STWA75N60M6 ^(*) | 600 | 0.035 | - | - | - | TO-247 long leads |
| STW75N60M6-4 ^(*) | 600 | 0.035 | - | - | - | TO247-4 |
| STW70N60M2 | 600 | 0.04 | - | 68 | 130 | TO-247 |
| STW68N60M6-4 ^(*) | 600 | 0.041 | - | - | - | TO247-4 |
| STW68N60M6 ^(*) | 600 | 0.041 | - | - | - | TO-247 |
| STWA68N60M6 ^(*) | 600 | 0.041 | - | - | - | TO-247 long leads |
| STW72N60DM2AG ⁽¹⁾ | 600 | 0.042 | Yes | 66 | 121 | TO-247 |
| STW70N60DM2 ⁽¹⁾ | 600 | 0.042 | - | 68 | 121 | TO-247 |
| STW56N60M2 | 600 | 0.055 | - | 52 | 91 | TO-247 |
| STW56N60M2-4 | 600 | 0.055 | - | 52 | 91 | TO247-4 |
| STWA58N60DM2AG ^(*) (1) | 600 | 0.06 | Yes | 50 | 110 | TO-247 long leads |
| STW58N60DM2AG ⁽¹⁾ | 600 | 0.06 | Yes | 50 | 90 | TO-247 |
| STW56N60DM2 ⁽¹⁾ | 600 | 0.06 | - | 50 | 110 | TO-247 |
| STW58N60DM2AG ⁽¹⁾ | 600 | 0.06 | Yes | 50 | 110 | TO-247 |
| STW48N60M6 ^(*) | 600 | 0.069 | - | - | - | TO-247 |
| STW48N60M6-4 ^(*) | 600 | 0.069 | - | - | - | TO247-4 |
| STWA48N60M6 ^(*) | 600 | 0.069 | - | - | - | TO-247 long leads |
| STW48N60M2 | 600 | 0.07 | - | 42 | 70 | TO-247 |
| STW48N60M2-4 | 600 | 0.07 | - | 42 | 70 | TO247-4 |
| STWA48N60M2 | 600 | 0.07 | - | 42 | 70 | TO-247 long leads |
| STB42N60M2-EP | 600 | 0.087 | - | 34 | 55 | D ² PAK |
| STF42N60M2-EP | 600 | 0.087 | - | 34 | 55 | TO-220FP |

Note: (*) coming soon, (1) Fast recovery diode devices

N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-------------------------------|----------------------|---|------------------|--------------------------|---------------------------|----------------------|
| STFW42N60M2-EP | 600 | 0.087 | - | 34 | 55 | TO-3PF |
| STP42N60M2-EP | 600 | 0.087 | - | 34 | 55 | TO-220 |
| STW42N60M2-EP | 600 | 0.087 | - | 34 | 55 | TO-247 |
| STB40N60M2 | 600 | 0.088 | - | 34 | 57 | D ² PAK |
| STF40N60M2 | 600 | 0.088 | - | 34 | 57 | TO-220FP |
| STF40N60M2 | 600 | 0.088 | - | 34 | 57 | I ² PAKFP |
| STFW40N60M2 | 600 | 0.088 | - | 34 | 57 | TO-3PF |
| STP40N60M2 | 600 | 0.088 | - | 34 | 57 | TO-220 |
| STW40N60M2 | 600 | 0.088 | - | 34 | 57 | TO-247 |
| STW40N60M2-4 | 600 | 0.088 | - | 34 | 57 | TO247-4 |
| STWA40N60M2 | 600 | 0.088 | - | 34 | 57 | TO-247 long leads |
| STW47NM60ND | 600 | 0.088 | Yes | 35 | 120 | TO-247 |
| STWA45N60DM2AG ^(*) | 600 | 0.093 | Yes | 34 | 56 | TO-247 long leads |
| STB45N60DM2AG ⁽¹⁾ | 600 | 0.093 | Yes | 34 | 56 | D ² PAK |
| STB43N60DM2 ⁽¹⁾ | 600 | 0.093 | - | 34 | 56 | D ² PAK |
| STP45N60DM2AG ⁽¹⁾ | 600 | 0.093 | Yes | 34 | 56 | TO-220 |
| STW45N60DM2AG ⁽¹⁾ | 600 | 0.093 | Yes | 34 | 56 | TO-247 |
| STF43N60DM2 ⁽¹⁾ | 600 | 0.093 | - | 34 | 56 | TO-220FP |
| STP43N60DM2 ⁽¹⁾ | 600 | 0.093 | - | 34 | 56 | TO-220 |
| STW43N60DM2 ⁽¹⁾ | 600 | 0.093 | - | 34 | 56 | TO-247 |
| STB36N60M6 ^(*) | 600 | 0.099 | - | 30 | 48 | D ² PAK |
| STW36N60M6-4 ^(*) | 600 | 0.099 | - | 30 | 48 | TO247-4 |
| STW36N60M6 ^(*) | 600 | 0.099 | - | 30 | 48 | TO-247 |
| STF36N60M6 | 600 | 0.099 | - | 30 | 48 | TO-220FP |
| STP36N60M6 ^(*) | 600 | 0.099 | - | 30 | 48 | TO-220 |
| STL45N60DM6 ^(*) | 600 | 0.1 | - | 26 | 50 | PowerFLAT 8x8 HV |
| STB34NM60N | 600 | 0.105 | - | 29 | 85 | D ² PAK |
| STB36NM60N | 600 | 0.105 | Yes | 29 | 83.6 | D ² PAK |

Note: (*) coming soon, (1) Fast recovery diode devices

N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|----------------------------------|----------------------|---|------------------|--------------------------|---------------------------|--------------------|
| STP34NM60N | 600 | 0.105 | - | 31.5 | 84 | TO-220 |
| STW34NM60N | 600 | 0.105 | - | 31.5 | 84 | TO-247 |
| STW36NM60N | 600 | 0.105 | Yes | 29 | 85 | TO-247 |
| STB34NM60ND ⁽¹⁾ | 600 | 0.11 | - | 29 | 80.4 | D ² PAK |
| STF34NM60ND ⁽¹⁾ | 600 | 0.11 | - | 29 | 80.4 | TO-220FP |
| STP34NM60ND ⁽¹⁾ | 600 | 0.11 | - | 29 | 80.4 | TO-220 |
| STW34NM60ND ⁽¹⁾ | 600 | 0.11 | - | 29 | 80.4 | TO-247 |
| STL36N60M6 ^(*) | 600 | 0.11 | - | 25 | 48 | PowerFLAT 8x8 HV |
| STB36NM60ND ⁽¹⁾ | 600 | 0.11 | Yes | 29 | 80.4 | D ² PAK |
| STW36NM60ND ⁽¹⁾ | 600 | 0.11 | Yes | 29 | 80.4 | TO-247 |
| STWA37N60DM2AG ^(*)M1) | 600 | 0.11 | Yes | 28 | 54 | TO-247 long leads |
| STB35N60DM2 ⁽¹⁾ | 600 | 0.11 | - | 28 | 54 | D ² PAK |
| STB37N60DM2AG ⁽¹⁾ | 600 | 0.11 | Yes | 28 | 54 | D ² PAK |
| STF35N60DM2 ⁽¹⁾ | 600 | 0.11 | - | 28 | 54 | TO-220FP |
| STP35N60DM2 ⁽¹⁾ | 600 | 0.11 | - | 28 | 54 | TO-220 |
| STW35N60DM2 ⁽¹⁾ | 600 | 0.11 | - | 28 | 54 | TO-247 |
| STW37N60DM2AG ⁽¹⁾ | 600 | 0.11 | Yes | 28 | 54 | TO-247 |
| STP33N60M6 ^(*) | 600 | 0.125 | - | - | - | TO-220 |
| STW33N60M6 ^(*) | 600 | 0.125 | - | - | - | TO-247 |
| STF33N60M6 ^(*) | 600 | 0.125 | - | - | - | TO-220FP |
| STB33N60M2 | 600 | 0.125 | - | 26 | 45.5 | D ² PAK |
| STF33N60M2 | 600 | 0.125 | - | 26 | 45.5 | TO-220FP |
| STI33N60M2 | 600 | 0.125 | - | 26 | 45.5 | I ² PAK |
| STP33N60M2 | 600 | 0.125 | - | 26 | 45.5 | TO-220 |
| STW33N60M2 | 600 | 0.125 | - | 26 | 45.5 | TO-247 |
| STF33N60DM2 ⁽¹⁾ | 600 | 0.13 | - | 24 | 80 | TO-220FP |
| STE40NC60 | 600 | 0.13 | - | 40 | 307.5 | ISOTOP |
| STP33N60DM2 ⁽¹⁾ | 600 | 0.13 | - | 24 | 80 | TO-220FP |

Note: (*) coming soon, (1) Fast recovery diode devices

N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|----------------------------|----------------------|---|------------------|--------------------------|---------------------------|----------------------|
| STB33N60DM2 ⁽¹⁾ | 600 | 0.13 | - | 24 | 80 | D ² PAK |
| STL33N60M6 ^(*) | 600 | 0.135 | - | - | - | PowerFLAT 8x8 HV |
| STL33N60M2 | 600 | 0.135 | - | 22 | 45.5 | PowerFLAT 8x8 HV |
| STL33N60DM2 ⁽¹⁾ | 600 | 0.14 | - | 22 | 80 | PowerFLAT 8x8 HV |
| STW33N60DM2 ⁽¹⁾ | 600 | 0.13 | - | 24 | 80 | TO-247 |
| STB28N60M2 | 600 | 0.15 | - | 22 | 36 | D ² PAK |
| STF28N60M2 | 600 | 0.15 | - | 22 | 36 | TO-220FP |
| STF128N60M2 | 600 | 0.15 | - | 22 | 36 | I ² PAKFP |
| STP28N60M2 | 600 | 0.15 | - | 22 | 36 | TO-220 |
| STW28N60M2 | 600 | 0.15 | - | 22 | 36 | TO-247 |
| STB28N60DM2 ⁽¹⁾ | 600 | 0.16 | - | 22 | 34 | D ² PAK |
| STP28N60DM2 ⁽¹⁾ | 600 | 0.16 | - | 22 | 34 | TO-220 |
| STW28N60DM2 ⁽¹⁾ | 600 | 0.16 | - | 22 | 34 | TO-247 |
| STF28N60DM2 ⁽¹⁾ | 600 | 0.16 | - | 22 | 34 | TO-220FP |
| STB27NM60ND | 600 | 0.16 | Yes | 21 | 80 | D ² PAK |
| STL28N60M2 | 600 | 0.161 | - | - | 36 | PowerFLAT 8x8 HV |
| STF27N60M2-EP | 600 | 0.163 | - | 20 | 33 | TO-220FP |
| STP27N60M2-EP | 600 | 0.163 | - | 20 | 33 | TO-220 |
| STW27N60M2-EP | 600 | 0.163 | - | 20 | 33 | TO-247 |
| STF26N60M2 | 600 | 0.165 | - | 20 | 34 | TO-220FP |
| STF126N60M2 | 600 | 0.165 | - | 20 | 34 | I ² PAKFP |
| STP26N60M2 | 600 | 0.165 | - | 20 | 34 | TO-220 |
| STW26N60M2 | 600 | 0.165 | - | 20 | 34 | TO-247 |
| STP26N60M6 | 600 | 0.168 | - | - | - | TO-220 |
| STF26N60M6 | 600 | 0.168 | - | - | - | TO-220FP |
| STW26N60M6 | 600 | 0.168 | - | - | - | TO-247 |
| STL28N60DM2 ⁽¹⁾ | 600 | 0.175 | - | - | 34 | PowerFLAT 8x8 HV |
| STB24N60M6 ^(*) | 600 | 0.19 | - | - | - | D ² PAK |

Note: (*) coming soon, (1) Fast recovery diode devices

N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|--------------------------------|----------------------|---|------------------|--------------------------|---------------------------|-----------------------------|
| STI24N60M6 ^(*) | 600 | 0.19 | - | - | - | I ² PAK |
| STF24N60M6 ^(*) | 600 | 0.19 | - | - | - | TO-220FP |
| STW24N60M6 ^(*) | 600 | 0.19 | - | - | - | TO-247 |
| STP24N60M6 ^(*) | 600 | 0.19 | - | - | - | TO-220 |
| STF25N60M2-EP | 600 | 0.19 | - | 18 | 29 | TO-220FP |
| STP25N60M2-EP | 600 | 0.19 | - | 18 | 29 | TO-220 |
| STW25N60M2-EP | 600 | 0.19 | - | 18 | 29 | TO-247 |
| STB24N60M2 | 600 | 0.19 | - | 18 | 29 | D ² PAK |
| STF24N60M2 | 600 | 0.19 | - | 18 | 29 | TO-220FP |
| STFI24N60M2 | 600 | 0.19 | - | 18 | 29 | I ² PAKFP |
| STFU24N60M2 | 600 | 0.19 | - | 18 | 29 | TO-220FP ultra narrow leads |
| STFW24N60M2 | 600 | 0.19 | - | 18 | 29 | TO-3PF |
| STI24N60M2 | 600 | 0.19 | - | 18 | 29 | I ² PAK |
| STP24N60M2 | 600 | 0.19 | - | 18 | 29 | TO-220 |
| STW24N60M2 | 600 | 0.19 | - | 18 | 29 | TO-247 |
| STB24N60DM2 ⁽¹⁾ | 600 | 0.2 | - | 18 | 29 | D ² PAK |
| STP24N60DM2 ⁽¹⁾ | 600 | 0.2 | - | - | - | TO-220 |
| STB24N60DM2 ⁽¹⁾ | 600 | 0.2 | - | - | - | D ² PAK |
| STF24N60DM2 ⁽¹⁾ | 600 | 0.2 | - | - | - | TO-220FP |
| STW24N60DM2 ⁽¹⁾ | 600 | 0.2 | - | - | - | TO-247 |
| STF24N60DM2 ⁽¹⁾ | 600 | 0.2 | - | 18 | 29 | TO-220FP |
| STP24N60DM2 ⁽¹⁾ | 600 | 0.2 | - | 18 | 29 | TO-220 |
| STW24N60DM2 ⁽¹⁾ | 600 | 0.2 | - | 18 | 29 | TO-247 |
| STL25N60M2-EP ⁽¹⁾ | 600 | 0.206 | - | 16 | 29 | PowerFLAT 8x8 HV |
| STL24N60M6 ^(*) | 600 | 0.21 | - | - | - | PowerFLAT 8x8 HV |
| STL24N60M2 | 600 | 0.21 | - | 18 | 29 | PowerFLAT 8x8 HV |
| STL24N60DM2 ^(*) (1) | 600 | 0.22 | - | - | - | PowerFLAT 8x8 HV |
| STB22N60M6 ^(*) | 600 | 0.23 | - | - | 20 | D ² PAK |

Note: (*) coming soon, (1) Fast recovery diode devices

N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|----------------------------|----------------------|---|------------------|--------------------------|---------------------------|-----------------------------|
| STP22N60M6 ^(*) | 600 | 0.23 | - | - | 20 | TO-220 |
| STF22N60M6 ^(*) | 600 | 0.23 | - | - | 20 | TO-220FP |
| STB20N60M2-EP | 600 | 0.278 | - | 13 | 22 | D ² PAK |
| STF20N60M2-EP | 600 | 0.278 | - | 13 | 22 | TO-220FP |
| STI20N60M2-EP | 600 | 0.278 | - | 13 | 22 | I ² PAK |
| STP20N60M2-EP | 600 | 0.278 | - | 13 | 22 | TO-220 |
| STW20N60M2-EP | 600 | 0.278 | - | 13 | 22 | TO-247 |
| STF18N60M6 ^(*) | 600 | 0.28 | - | - | - | TO-220FP |
| STP18N60M6 ^(*) | 600 | 0.28 | - | - | - | TO-220 |
| STD18N60M6 ^(*) | 600 | 0.28 | - | - | - | DPAK |
| STI18N60M6 ^(*) | 600 | 0.28 | - | - | - | I ² PAK |
| STB18N60M6 ^(*) | 600 | 0.28 | - | - | - | D ² PAK |
| STB18N60M2 | 600 | 0.28 | - | 13 | 21.5 | D ² PAK |
| STF18N60M2 | 600 | 0.28 | - | 13 | 21.5 | TO-220FP |
| STP18N60M2 | 600 | 0.28 | - | 13 | 21.5 | TO-220 |
| STW18N60M2 | 600 | 0.28 | - | 13 | 21.5 | TO-247 |
| STF18NM60N | 600 | 0.285 | - | 13 | 35 | TO-220FP |
| STP18NM60N | 600 | 0.285 | - | 13 | 35 | TO-220 |
| STW19NM60N | 600 | 0.285 | Yes | 13 | 35 | TO-247 |
| STB18N60DM2 ⁽¹⁾ | 600 | 0.295 | - | 12 | 20 | D ² PAK |
| STW18N60DM2 ⁽¹⁾ | 600 | 0.295 | - | 12 | 20 | TO-247 |
| STP18N60DM2 ⁽¹⁾ | 600 | 0.295 | - | 12 | 20 | TO-220 |
| STW18N60DM2 ⁽¹⁾ | 600 | 0.295 | - | 12 | 20 | TO-247 |
| STF18N60DM2 ⁽¹⁾ | 600 | 0.295 | - | 12 | 20 | TO-220FP |
| STL18N60M2 | 600 | 0.308 | - | 9 | 21.5 | PowerFLAT 5x6 HV |
| STL19N60M2 | 600 | 0.308 | - | 12 | 21.5 | PowerFLAT 8x8 HV |
| STFU18N60M2 | 600 | 0.308 | - | 9 | 21.5 | TO-220FP ultra narrow leads |
| STL18N60M6 ^(*) | 600 | 0.31 | - | - | - | PowerFLAT 5x6 HV |

Note: (*) coming soon, (1) Fast recovery diode devices

N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|--------------------------------|----------------------|---|------------------|--------------------------|---------------------------|----------------------|
| STL18NM60N | 600 | 0.31 | - | 12 | 35 | PowerFLAT 8x8 HV |
| STW16NG0M6 ^(*) | 600 | 0.32 | - | 12 | 18 | TO-247 |
| STD16NG0M6 ^(*) | 600 | 0.32 | - | 12 | 18 | DPAK |
| STP16NG0M6 ^(*) | 600 | 0.32 | - | 12 | 18 | TO-220 |
| STF16NG0M6 ^(*) | 600 | 0.32 | - | 12 | 18 | TO-220FP |
| STL19NG60DM2 ⁽¹⁾ | 600 | 0.32 | - | - | 20 | PowerFLAT 8x8 HV |
| STD16NG0M2 | 600 | 0.32 | - | 12 | 19 | DPAK |
| STF16NG0M2 | 600 | 0.32 | - | 12 | 19 | TO-220FP |
| STP16NG0M2 | 600 | 0.32 | - | 12 | 19 | TO-220 |
| STU16NG0M2 | 600 | 0.32 | - | 12 | 18 | IPAK |
| STF116NG0M6 ^(*) | 600 | 0.32 | - | 12 | 18 | I ² PAKFP |
| STL16NG0M6 ^(*) | 600 | 0.35 | - | 8 | 18 | PowerFLAT 5x6 HV |
| STL16NG0M2 | 600 | 0.355 | - | 8 | 19 | PowerFLAT 5x6 HV |
| STP13NM60N | 600 | 0.36 | - | 11 | 30 | TO-220 |
| STD13NG0DM2 ^(*) (1) | 600 | 0.365 | - | 8.5 | 13 | DPAK |
| STF13NG0DM2 ^(*) (1) | 600 | 0.365 | - | 8.5 | 13 | TO-220FP |
| STD13NG0DM2 ^(*) (1) | 600 | 0.365 | - | 12 | 20 | DPAK |
| STD15NG0M2-EP | 600 | 0.378 | - | 11 | 17 | DPAK |
| STF15NG0M2-EP | 600 | 0.378 | - | 11 | 17 | TO-220FP |
| STF115NG0M2-EP | 600 | 0.378 | - | 11 | 17 | I ² PAKFP |
| STP15NG0M2-EP | 600 | 0.378 | - | 11 | 17 | TO-220 |
| STD13NM60ND ⁽¹⁾ | 600 | 0.38 | - | 11 | 24.5 | DPAK |
| STF13NM60ND ⁽¹⁾ | 600 | 0.38 | - | 11 | 24.5 | TO-220FP |
| STB13NG0M2 | 600 | 0.38 | - | 11 | 17 | D ² PAK |
| STD13NG0M2 | 600 | 0.38 | - | 11 | 17 | DPAK |
| STF13NG0M2 | 600 | 0.38 | - | 11 | 17 | TO-220FP |
| STP13NG0M2 | 600 | 0.38 | - | 11 | 17 | TO-220 |
| STU13NG0M2 | 600 | 0.38 | - | 11 | 17 | IPAK |

Note: (*) coming soon, (1) Fast recovery diode devices

N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _s (typ) (nC) | Package |
|--------------------------------|----------------------|---|------------------|--------------------------|---------------------------|-----------------------------|
| STW13N60M2 | 600 | 0.38 | - | 11 | 17 | TO-247 |
| STF13N60M2 | 600 | 0.38 | - | 11 | 17 | TO-220FP ultra narrow leads |
| STL13N60DM2 ^(*) (1) | 600 | 0.38 | - | 8.5 | 20 | PowerFLAT 5x6 HV |
| STL15N60M2-EP | 600 | 0.418 | - | 7 | 17 | PowerFLAT 5x6 HV |
| STL13N60M2 | 600 | 0.42 | - | 7 | 16 | PowerFLAT 5x6 HV |
| STP11N60DM2 ^(*) (1) | 600 | 0.42 | - | 11 | 16 | TO-220 |
| STF11N60DM2 ^(*) (1) | 600 | 0.42 | - | 11 | 16 | TO-220FP |
| STD11N60DM2 ^(*) (1) | 600 | 0.42 | - | 11 | 16 | DPAK |
| STD12N60M2 | 600 | 0.45 | - | 9 | 16 | DPAK |
| STF12N60M2 | 600 | 0.45 | - | 9 | 16 | TO-220FP |
| STF12N60M2 | 600 | 0.45 | - | 9 | 16 | IPAKFP |
| STP12N60M2 | 600 | 0.45 | - | 9 | 16 | TO-220 |
| STU12N60M2 | 600 | 0.45 | - | 9 | 16 | IPAK |
| STL12N60M2 | 600 | 0.495 | - | 6.5 | 16 | PowerFLAT 5x6 HV |
| STF10N60DM2 ^(*) (1) | 600 | 0.53 | - | 8.5 | 14 | TO-220FP |
| STD10N60DM2 ^(*) (1) | 600 | 0.53 | - | 8.5 | 14 | DPAK |
| STD11N60M2-EP | 600 | 0.595 | - | 7.5 | 12 | DPAK |
| STF11N60M2-EP | 600 | 0.595 | - | 7.5 | 12 | TO-220FP |
| STF11N60M2-EP | 600 | 0.595 | - | 7.5 | 12 | IPAKFP |
| STD10NM60ND ⁽¹⁾ | 600 | 0.6 | - | 8 | 20 | DPAK |
| STF10NM60ND ⁽¹⁾ | 600 | 0.6 | - | 8 | 20 | TO-220FP |
| STB10N60M2 | 600 | 0.6 | - | 7.5 | 13.5 | D ² PAK |
| STD10N60M2 | 600 | 0.6 | - | 7.5 | 13.5 | DPAK |
| STF10N60M2 | 600 | 0.6 | - | 7.5 | 13.5 | TO-220FP |
| STP10N60M2 | 600 | 0.6 | - | 7.5 | 13.5 | TO-220 |
| STU10N60M2 | 600 | 0.6 | - | 7.5 | 13.5 | IPAK |
| STF8N60DM2 ^(*) (1) | 600 | 0.6 | - | 8 | 13.5 | TO-220FP |
| STD8N60DM2 ^(*) (1) | 600 | 0.6 | - | 8 | 13.5 | DPAK |

Note: (*) coming soon, (1) Fast recovery diode devices

N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-------------------------------|----------------------|---|------------------|--------------------------|---------------------------|------------------------|
| STL11N60M2-EP | 600 | 0.652 | - | 4 | 12 | PowerFLAT 5X5 HV |
| STL10N60M2 | 600 | 0.66 | - | 5.5 | 13.5 | PowerFLAT 5x6 HV |
| STD9N60M2 | 600 | 0.78 | - | 5.5 | 10 | DPAK |
| STF9N60M2 | 600 | 0.78 | - | 5.5 | 10 | TO-220FP |
| STP9N60M2 | 600 | 0.78 | - | 5.5 | 10 | TO-220 |
| STU9N60M2 | 600 | 0.78 | - | 5.5 | 10 | IPAK |
| STL9N60M2 | 600 | 0.86 | - | 4.8 | 10 | PowerFLAT 5x6 HV |
| STD7NM60N | 600 | 0.9 | - | 5 | 14 | DPAK |
| STU7NM60N | 600 | 0.9 | - | 5 | 14 | IPAK |
| STD10N60M2 | 600 | 0.95 | - | 5 | 8.8 | TO-220FP |
| STD7N60M2 | 600 | 0.95 | - | 5 | 8.8 | DPAK |
| STF7N60M2 | 600 | 0.95 | - | 5 | 8.8 | TO-220FP |
| STP7N60M2 | 600 | 0.95 | - | 5 | 8.8 | TO-220 |
| STU7N60M2 | 600 | 0.95 | - | 5 | 8.8 | IPAK |
| STL7N60M2 | 600 | 1.05 | - | 5 | 8.8 | PowerFLAT 5X5 HV |
| STB6N60M2 | 600 | 1.2 | - | 4.5 | 8 | D ² PAK |
| STD6N60M2 | 600 | 1.2 | - | 4.5 | 8 | DPAK |
| STF6N60M2 | 600 | 1.2 | - | 4.5 | 8 | TO-220FP |
| STP6N60M2 | 600 | 1.2 | - | 4.5 | 8 | TO-220 |
| STU6N60M2 | 600 | 1.2 | - | 4.5 | 8 | IPAK |
| STD5N60M2 | 600 | 1.4 | - | 3.7 | 4.5 | DPAK |
| STF5N60M2 | 600 | 1.4 | - | 3.7 | 4.5 | TO-220FP |
| STP5N60M2 | 600 | 1.4 | - | 3.7 | 4.5 | TO-220 |
| STU5N60M2 | 600 | 1.4 | - | 3.7 | 4.5 | IPAK |
| STD5N60DM2 ^(*) (1) | 600 | 1.55 | - | 3.5 | 8.6 | DPAK |
| STD3NM60N | 600 | 1.8 | - | 3.3 | 9.5 | DPAK |
| STL3NM60N | 600 | 1.8 | - | 2.2 | 9.5 | PowerFLAT 3.3 X 3.3 HV |
| STD2LN60K3 | 600 | 4.5 | - | 2 | 12 | DPAK |

Note: (*) coming soon, (1) Fast recovery diode devices

N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|----------------------------|----------------------|---|------------------|--------------------------|---------------------------|-------------------|
| STQ2LN60K3-AP | 600 | 4.5 | - | 2 | 9 | TO-92 |
| STF17N62K3 | 620 | 0.34 | - | 15.5 | 105 | TO-220FP |
| STF10N62K3 | 620 | 0.75 | - | 8.4 | 42 | TO-220FP |
| STF110N62K3 | 620 | 0.75 | - | 8.4 | 42 | IPAKFP |
| STD6N62K3 | 620 | 1.2 | - | 5.5 | 34 | DPAK |
| STF6N62K3 | 620 | 1.2 | - | 5.5 | 34 | TO-220FP |
| STP6N62K3 | 620 | 1.2 | - | 5.5 | 34 | TO-220 |
| STU6N62K3 | 620 | 1.2 | - | 5.5 | 34 | IPAK |
| STD5N62K3 | 620 | 1.6 | - | 4.2 | 26 | DPAK |
| STD4N62K3 | 620 | 2 | - | 3.8 | 22 | DPAK |
| STF4N62K3 | 620 | 2 | - | 3.8 | 22 | TO-220FP |
| STU4N62K3 | 620 | 2 | - | 3.8 | 22 | IPAK |
| STD3N62K3 | 620 | 2.5 | - | 2.7 | 13 | DPAK |
| STF3N62K3 | 620 | 2.5 | - | 2.7 | 13 | TO-220FP |
| STD3LN62K3 | 620 | 3 | - | 2.5 | 17 | DPAK |
| STU3LN62K3 | 620 | 3 | - | 2.5 | 17 | IPAK |
| STD2N62K3 | 620 | 3.6 | - | 2.2 | 15 | DPAK |
| STF2N62K3 | 620 | 3.6 | - | 2.2 | 15 | TO-220FP |
| STU2N62K3 | 620 | 3.6 | - | 2.2 | 10 | IPAK |
| STE145N65M5 | 650 | 0.015 | - | 138 | 414 | ISOTOP |
| STY145N65M5 | 650 | 0.015 | - | 138 | 434 | Max247 |
| STE139N65M5 ^(*) | 650 | 0.017 | - | 130 | 363 | ISOTOP |
| STY139N65M5 | 650 | 0.017 | - | 130 | 363 | Max247 |
| STE88N65M5 | 650 | 0.029 | - | 88 | 204 | ISOTOP |
| STW88N65M5 | 650 | 0.029 | - | 84 | 204 | TO-247 |
| STW88N65M5-4 | 650 | 0.029 | - | 84 | 204 | TO247-4 |
| STWA88N65M5 | 650 | 0.029 | - | 84 | 204 | TO-247 long leads |
| STW78N65M5 | 650 | 0.032 | Yes | 69 | 203 | TO-247 |

Note: (*) coming soon, (1) Fast recovery diode devices

N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-------------------------------|----------------------|---|------------------|--------------------------|---------------------------|--------------------|
| STFW69N65M5 | 650 | 0.045 | - | 58 | 143 | TO-3PF |
| STW69N65M5 | 650 | 0.045 | - | 58 | 143 | TO-247 |
| STW69N65M5-4 | 650 | 0.045 | - | 58 | 143 | TO247-4 |
| STW62N65M5 | 650 | 0.049 | Yes | 46 | 142 | TO-247 |
| STWA65N65DM2AG ⁽¹⁾ | 650 | 0.05 | Yes | 60 | 120 | TO-247 long leads |
| STW65N65DM2AG ⁽¹⁾ | 650 | 0.05 | Yes | 60 | 120 | TO-247 |
| STW70N65M2 | 650 | 0.062 | - | 48 | 110 | TO-247 |
| STW56N65M2 | 650 | 0.062 | - | 49 | 93 | TO-247 |
| STW56N65M2-4 | 650 | 0.062 | - | 49 | 93 | TO247-4 |
| STB43N65M5 | 650 | 0.063 | Yes | 42 | 100 | D2PAK |
| STB57N65M5 | 650 | 0.063 | - | 42 | 98 | D2PAK |
| STF57N65M5 | 650 | 0.063 | - | 42 | 98 | TO-220FP |
| STP57N65M5 | 650 | 0.063 | - | 42 | 98 | TO-220 |
| STW57N65M5 | 650 | 0.063 | - | 42 | 98 | TO-247 |
| STW57N65M5-4 | 650 | 0.063 | - | 42 | 98 | TO247-4 |
| STWA57N65M5 | 650 | 0.063 | - | 42 | 98 | TO-247 long leads |
| STW56N65DM2 ⁽¹⁾ | 650 | 0.065 | - | 48 | 88 | TO-247 |
| STW58N65DM2AG ⁽¹⁾ | 650 | 0.065 | Yes | 48 | 88 | TO-247 |
| STL57N65M5 | 650 | 0.069 | - | 22.5 | 96 | PowerFLAT 8x8 HV |
| STB45N65M5 | 650 | 0.078 | - | 35 | 82 | D ² PAK |
| STF45N65M5 | 650 | 0.078 | - | 35 | 82 | TO-220FP |
| STFW45N65M5 | 650 | 0.078 | - | 35 | 82 | TO-3PF |
| STP45N65M5 | 650 | 0.078 | - | 35 | 82 | TO-220 |
| STW45N65M5 | 650 | 0.078 | - | 35 | 82 | TO-247 |
| STWA45N65M5 | 650 | 0.078 | - | 35 | 82 | TO-247 long leads |
| STL45N65M5 | 650 | 0.086 | - | 22.5 | 82 | PowerFLAT 8x8 HV |
| STW50N65DM2AG ⁽¹⁾ | 650 | 0.087 | Yes | 38 | 70 | TO-247 |
| STB38N65M5 | 650 | 0.095 | - | 30 | 71 | D ² PAK |

Note: (*) coming soon, (1) Fast recovery diode devices

N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-----------------------------|----------------------|---|------------------|--------------------------|---------------------------|----------------------|
| STF38N65M5 | 650 | 0.095 | - | 30 | 71 | TO-220FP |
| STFW38N65M5 | 650 | 0.095 | - | 30 | 71 | TO-3PF |
| STP38N65M5 | 650 | 0.095 | - | 30 | 71 | TO-220 |
| STW38N65M5 | 650 | 0.095 | - | 30 | 71 | TO-247 |
| STW38N65M5-4 ^(*) | 650 | 0.095 | - | 30 | 71 | TO247-4 |
| STF40N65M2 | 650 | 0.099 | - | 32 | 56 | TO-220FP |
| STI40N65M2 | 650 | 0.099 | - | 32 | 56 | I ² PAK |
| STP40N65M2 | 650 | 0.099 | - | 32 | 56 | TO-220 |
| STW40N65M2 | 650 | 0.099 | - | 32 | 56 | TO-247 |
| STL38N65M5 | 650 | 0.105 | - | 22.5 | 71 | PowerFLAT 8x8 HV |
| STB34N65M5 | 650 | 0.11 | - | 29 | 70 | D ² PAK |
| STF34N65M5 | 650 | 0.11 | - | 29 | 70 | TO-220FP |
| STFI34N65M5 | 650 | 0.11 | - | 29 | 70 | I ² PAKFP |
| STP34N65M5 | 650 | 0.11 | - | 29 | 70 | TO-220 |
| STW34N65M5 | 650 | 0.11 | - | 29 | 70 | TO-247 |
| STL34N65M5 | 650 | 0.12 | - | 22.5 | 62.5 | PowerFLAT 8x8 HV |
| STB33N65M2 | 650 | 0.14 | - | 24 | 41.5 | D ² PAK |
| STF33N65M2 | 650 | 0.14 | - | 24 | 41.5 | TO-220FP |
| STI33N65M2 | 650 | 0.14 | - | 24 | 41.5 | I ² PAK |
| STP33N65M2 | 650 | 0.14 | - | 24 | 41.5 | TO-220 |
| STB31N65M5 | 650 | 0.148 | - | 22 | 55 | D ² PAK |
| STF31N65M5 | 650 | 0.148 | - | 22 | 55 | TO-220FP |
| STFI31N65M5 | 650 | 0.148 | - | 22 | 55 | I ² PAKFP |
| STP31N65M5 | 650 | 0.148 | - | 22 | 55 | TO-220 |
| STW31N65M5 | 650 | 0.148 | - | 22 | 55 | TO-247 |
| STL33N65M2 | 650 | 0.154 | - | 20 | 41.5 | PowerFLAT 8x8 HV |
| STL31N65M5 | 650 | 0.162 | - | 15 | 45 | PowerFLAT 8x8 HV |
| STB28N65M2 | 650 | 0.18 | - | 20 | 35 | D ² PAK |

Note: (*) coming soon, (1) Fast recovery diode devices

N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-------------|----------------------|---|------------------|--------------------------|---------------------------|-----------------------------|
| STF28N65M2 | 650 | 0.18 | - | 20 | 35 | TO-220FP |
| STFU28N65M2 | 650 | 0.18 | - | 20 | 35 | TO-220FP ultra narrow leads |
| STP28N65M2 | 650 | 0.18 | - | 20 | 35 | TO-220 |
| STW28N65M2 | 650 | 0.18 | - | 20 | 35 | TO-247 |
| STB20N65M5 | 650 | 0.19 | - | 18 | 36 | D ² PAK |
| STF20N65M5 | 650 | 0.19 | - | 18 | 36 | TO-220FP |
| STFI20N65M5 | 650 | 0.19 | - | 18 | 36 | I ² PAKFP |
| STP20N65M5 | 650 | 0.19 | - | 18 | 36 | TO-220 |
| STW20N65M5 | 650 | 0.19 | - | 18 | 36 | TO-247 |
| STL22N65M5 | 650 | 0.22 | - | 15 | 45 | PowerFLAT 8x8 HV |
| STF18N65M5 | 650 | 0.22 | - | 15 | 34 | TO-220FP |
| STP18N65M5 | 650 | 0.22 | - | 15 | 34 | TO-220 |
| STB24N65M2 | 650 | 0.23 | - | 16 | 29 | D ² PAK |
| STF24N65M2 | 650 | 0.23 | - | 16 | 29 | TO-220FP |
| STP24N65M2 | 650 | 0.23 | - | 16 | 29 | TO-220 |
| STL18N65M5 | 650 | 0.24 | - | 15 | 31 | PowerFLAT 5x6 HV |
| STL19N65M5 | 650 | 0.24 | - | 12.5 | 31 | PowerFLAT 8x8 HV |
| STL24N65M2 | 650 | 0.25 | - | 14 | 29 | PowerFLAT 8x8 HV |
| STF18N65M2 | 650 | 0.33 | - | 12 | 20 | TO-220FP |
| STFU18N65M2 | 650 | 0.33 | - | 12 | 20 | TO-220FP ultra narrow leads |
| STI18N65M2 | 650 | 0.33 | - | 12 | 20 | I ² PAK |
| STP18N65M2 | 650 | 0.33 | - | 12 | 20 | TO-220 |
| STFI18N65M2 | 650 | 0.33 | - | 12 | 20 | I ² PAKFP |
| STB15N65M5 | 650 | 0.34 | - | 11 | 22 | D ² PAK |
| STD15N65M5 | 650 | 0.34 | - | 11 | 22 | DKPAK |
| STF15N65M5 | 650 | 0.34 | - | 11 | 22 | TO-220FP |
| STFI15N65M5 | 650 | 0.34 | - | 11 | 22 | I ² PAKFP |
| STP15N65M5 | 650 | 0.34 | - | 11 | 22 | TO-220 |
| STD16N65M2 | 650 | 0.36 | - | 11 | 19.5 | DKPAK |

N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-------------|----------------------|---|------------------|--------------------------|---------------------------|-----------------------------|
| STF16N65M2 | 650 | 0.36 | - | 11 | 19.5 | TO-220FP |
| STP16N65M2 | 650 | 0.36 | - | 11 | 19.5 | TO-220 |
| STU16N65M2 | 650 | 0.36 | - | 11 | 19.5 | IPAK |
| STL18N65M2 | 650 | 0.365 | - | 8 | 20 | PowerFLAT 5x6 HV |
| STL17N65M5 | 650 | 0.374 | - | 10 | 22 | PowerFLAT 8x8 HV |
| STL15N65M5 | 650 | 0.375 | - | 10 | 22 | PowerFLAT 5x6 HV |
| STL16N65M2 | 650 | 0.395 | - | 7.5 | 19.5 | PowerFLAT 5x6 HV |
| STL16N65M2 | 650 | 0.395 | - | 7.5 | - | PowerFLAT 5x6 HV |
| STD13N65M2 | 650 | 0.43 | - | 10 | 17 | DPAK |
| STF13N65M2 | 650 | 0.43 | - | 10 | 17 | TO-220FP |
| STF113N65M2 | 650 | 0.43 | - | 10 | 17 | I ² PAKFP |
| STFU13N65M2 | 650 | 0.43 | - | 10 | 17 | TO-220FP ultra narrow leads |
| STP13N65M2 | 650 | 0.43 | - | 10 | 17 | TO-220 |
| STU13N65M2 | 650 | 0.43 | - | 10 | 17 | IPAK |
| STL13N65M2 | 650 | 0.475 | - | 6.5 | 17 | PowerFLAT 5x6 HV |
| STD11N65M5 | 650 | 0.48 | - | 9 | 17 | DPAK |
| STF11N65M5 | 650 | 0.48 | - | 9 | 17 | TO-220FP |
| STP11N65M5 | 650 | 0.48 | - | 9 | 17 | TO-220 |
| STD12N65M2 | 650 | 0.5 | - | 8 | 16.5 | DPAK |
| STF12N65M2 | 650 | 0.5 | - | 8 | 16.5 | TO-220FP |
| STP12N65M2 | 650 | 0.5 | - | 8 | 16.5 | TO-220 |
| STL12N65M5 | 650 | 0.53 | - | 8.5 | 17 | PowerFLAT 5x6 HV |
| STL12HN65M2 | 650 | 0.55 | - | 8 | 16.5 | PowerFLAT 5x6 HV |
| STD11N65M2 | 650 | 0.68 | - | 7 | 12.5 | DPAK |
| STF11N65M2 | 650 | 0.68 | - | 7 | 12.5 | TO-220FP |
| STF11N65M2 | 650 | 0.68 | - | 7 | 12.5 | I ² PAKFP |
| STP11N65M2 | 650 | 0.68 | - | 7 | 12.5 | TO-220 |
| STU11N65M2 | 650 | 0.68 | - | 7 | 12.5 | IPAK |
| STL12N65M2 | 650 | 0.75 | - | 5 | 12.5 | PowerFLAT 5x6 HV |

N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|--------------------------|----------------------|---|------------------|--------------------------|---------------------------|------------------|
| STL11N65M2 | 650 | 0.75 | - | 5 | 12.5 | PowerFLAT 5X5 HV |
| STD9HN65M2 | 650 | 0.82 | - | 5.5 | 11.5 | DPAK |
| STF9HN65M2 | 650 | 0.82 | - | 5.5 | 11.5 | TO-220FP |
| STU9HN65M2 | 650 | 0.82 | - | 5.5 | 11.5 | IPAK |
| STD9N65M2 | 650 | 0.9 | - | 5 | 10 | DPAK |
| STF9N65M2 | 650 | 0.9 | - | 5 | 10 | TO-220FP |
| STP9N65M2 | 650 | 0.9 | - | 5 | 10 | TO-220 |
| STU9N65M2 | 650 | 0.9 | - | 5 | 10 | IPAK |
| STL10HN65M2 | 650 | 0.9 | - | 5 | 11.5 | PowerFLAT 5x6 HV |
| STD7N65M6 ^(*) | 650 | 0.99 | - | 5 | - | DPAK |
| STU7N65M6 ^(*) | 650 | 0.99 | - | 5 | - | IPAK |
| STL9N65M2 | 650 | 1 | - | 4.5 | 10 | PowerFLAT 5X5 HV |
| STL10N65M2 | 650 | 1 | - | 4.5 | 10 | PowerFLAT 5x6 HV |
| STF10N65K3 | 650 | 1 | - | 10 | 42 | TO-220FP |
| STP7N65M2 | 650 | 1.15 | - | 5 | 9 | TO-220 |
| STU7N65M2 | 650 | 1.15 | - | 5 | 9 | IPAK |
| STD7N65M2 | 650 | 1.15 | - | 5 | 9 | DPAK |
| STF7N65M2 | 650 | 1.15 | - | 5 | 9 | TO-220FP |
| STD7N65M2 | 650 | 1.15 | - | 5 | 9 | DPAK |
| STF7N65M2 | 650 | 1.15 | - | 5 | 9 | TO-220FP |
| STP7N65M2 | 650 | 1.15 | - | 5 | 9 | TO-220 |
| STU7N65M2 | 650 | 1.15 | - | 5 | 9 | IPAK |
| STL8N65M2 | 650 | 1.25 | - | 5 | 9 | PowerFLAT 5x6 HV |
| STL8N65M2 | 650 | 1.25 | - | 5 | 9 | PowerFLAT 5x6 HV |
| STU5N65M6 ^(*) | 650 | 1.3 | - | 3.8 | 7 | IPAK |
| STF5N65M6 ^(*) | 650 | 1.3 | - | 3.8 | 7 | TO-220FP |
| STD5N65M6 ^(*) | 650 | 1.3 | - | 3.8 | 7 | DPAK |
| STF6N65K3 | 650 | 1.3 | - | 5.4 | 33 | TO-220FP |

Note: (*) coming soon, (1) Fast recovery diode devices

N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V_{DSS} (V) | $R_{DS(on)}$ (max) @ V_{GS} 10 V (Ω) | Automotive Grade | $I_{D(Cont)}$ (A) | Q_g (typ) (nC) | Package |
|--------------------------|---------------|--|------------------|-------------------|------------------|------------------------|
| STB6N65M2 | 650 | 1.35 | - | 4 | 9.8 | D ² PAK |
| STD6N65M2 | 650 | 1.35 | - | 4 | 9.8 | DPAK |
| STF6N65M2 | 650 | 1.35 | - | 4 | 9.8 | TO-220FP |
| STP6N65M2 | 650 | 1.35 | - | 4 | 9.8 | TO-220 |
| STU6N65M2 | 650 | 1.35 | - | 4 | 9.8 | IPAK |
| STL3N65M6 ^(*) | 650 | 1.5 | - | 3.5 | - | PowerFLAT 3.3 X 3.3 HV |
| STF3N65M6 ^(*) | 650 | 1.5 | - | 3.5 | - | TO-220FP |
| STU3N65M6 ^(*) | 650 | 1.5 | - | 3.5 | - | IPAK |
| STD3N65M6 ^(*) | 650 | 1.5 | - | 3.5 | - | DPAK |
| STU7N70M6 ^(*) | 700 | 0.99 | - | 4 | - | IPAK |
| STQ2NK60ZR-AP | 600 | 7.8 | - | 0.25 | 7 | TO-92 |
| STD1HN60K3 | 600 | 8 | - | 1.2 | 9.5 | DPAK |
| STN1NK60Z | 600 | 15 | - | 0.3 | 4.9 | SOT-223 |

Note: (*) coming soon, (1) Fast recovery diode devices

N-channel >700 V

| Part Number | V_{DSS} (V) | $R_{DS(on)}$ (max) @ $V_{GS} = 10$ V (Ω) | Automotive Grade | $I_{D(Cont)}$ (A) | Q_g (typ) (nC) | Package |
|-------------|---------------|--|------------------|-------------------|------------------|-----------------------------|
| STW65N80K5 | 800 | 0.08 | - | 46 | 92 | TO-247 |
| STB30N80K5 | 800 | 0.18 | - | 24 | 43 | D ² PAK |
| STW30N80K5 | 800 | 0.18 | - | 24 | 43 | TO-247 |
| STB25N80K5 | 800 | 0.26 | - | 19.5 | 40 | D ² PAK |
| STF25N80K5 | 800 | 0.26 | - | 19.5 | 40 | TO-220FP |
| STP25N80K5 | 800 | 0.26 | - | 19.5 | 40 | TO-220 |
| STW25N80K5 | 800 | 0.26 | - | 19.5 | 40 | TO-247 |
| STB23N80K5 | 800 | 0.28 | - | 16 | 33 | D ² PAK |
| STP23N80K5 | 800 | 0.28 | - | 16 | 33 | TO-220 |
| STF23N80K5 | 800 | 0.28 | - | 16 | 33 | TO-220FP |
| STW23N80K5 | 800 | 0.28 | - | 16 | 33 | TO-247 |
| STB17N80K5 | 800 | 0.34 | - | 14 | 26 | D ² PAK |
| STF17N80K5 | 800 | 0.34 | - | 14 | 26 | TO-220FP |
| STP17N80K5 | 800 | 0.34 | - | 14 | 26 | TO-220 |
| STB15N80K5 | 800 | 0.375 | - | 14 | 30 | D ² PAK |
| STF15N80K5 | 800 | 0.375 | - | 14 | 30 | TO-220FP |
| STFU15N80K5 | 800 | 0.375 | - | 14 | 32 | TO-220FP ultra narrow leads |
| STP15N80K5 | 800 | 0.375 | - | 14 | 30 | TO-220 |
| STW15N80K5 | 800 | 0.375 | - | 14 | 30 | TO-247 |
| STB14N80K5 | 800 | 0.445 | - | 12 | 22 | D ² PAK |
| STF14N80K5 | 800 | 0.445 | - | 12 | 22 | TO-220FP |
| STF14N80K5 | 800 | 0.445 | - | 12 | 22 | I ² PAKFP |
| STP14N80K5 | 800 | 0.445 | - | 12 | 22 | TO-220 |
| STB13N80K5 | 800 | 0.45 | - | 12 | 29 | D ² PAK |
| STF13N80K5 | 800 | 0.45 | - | 12 | 29 | TO-220FP |
| STF13N80K5 | 800 | 0.45 | - | 12 | 29 | I ² PAKFP |
| STP13N80K5 | 800 | 0.45 | - | 12 | 29 | TO-220 |
| STW13N80K5 | 800 | 0.45 | - | 12 | 29 | TO-247 |

N-CHANNEL >700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|--------------|----------------------|---|------------------|--------------------------|---------------------------|----------------------|
| STB10LN80K5 | 800 | 0.63 | - | 8 | 15 | D ² PAK |
| STD10LN80K5 | 800 | 0.63 | - | 8 | 15 | DPAK |
| STF10LN80K5 | 800 | 0.63 | - | 8 | 15 | TO-220FP |
| STF110LN80K5 | 800 | 0.63 | - | 8 | 15 | I ² PAKFP |
| STP10LN80K5 | 800 | 0.63 | - | 8 | 15 | TO-220 |
| STL10LN80K5 | 800 | 0.66 | - | 6 | 15 | PowerFLAT 5x6 HV |
| STD9N80K5 | 800 | 0.9 | - | 7 | 12.5 | DPAK |
| STF9N80K5 | 800 | 0.9 | - | 7 | 12.5 | TO-220FP |
| STF19N80K5 | 800 | 0.9 | - | 7 | 12.5 | I ² PAKFP |
| STL9N80K5 | 800 | 0.9 | - | 7 | 12.5 | PowerFLAT 5x6 HV |
| STP9N80K5 | 800 | 0.9 | - | 7 | 12.5 | TO-220 |
| STW9N80K5 | 800 | 0.9 | - | 7 | 12.5 | TO-247 |
| STD8N80K5 | 800 | 0.95 | - | 6 | 16.5 | DPAK |
| STF10N80K5 | 800 | 0.95 | - | 9 | 22 | TO-220FP |
| STF8N80K5 | 800 | 0.95 | - | 6 | 16.5 | TO-220FP |
| STF18N80K5 | 800 | 0.95 | - | 6 | 16.5 | I ² PAKFP |
| STL8N80K5 | 800 | 0.95 | - | 6 | 16.5 | PowerFLAT 5x6 VHV |
| STP8N80K5 | 800 | 0.95 | - | 6 | 16.5 | TO-220 |
| STU8N80K5 | 800 | 0.95 | - | 6 | 16.5 | IPAK |
| STD7LN80K5 | 800 | 1.15 | - | 5 | 12 | DPAK |
| STF7LN80K5 | 800 | 1.15 | - | 5 | 12 | TO-220FP |
| STF17LN80K5 | 800 | 1.15 | - | 5 | 12 | TO-220FP |
| STP7LN80K5 | 800 | 1.15 | - | 5 | 12 | TO-220 |
| STU7LN80K5 | 800 | 1.15 | - | 5 | 12 | IPAK |
| STL7LN80K5 | 800 | 1.15 | - | 5 | 12 | PowerFLAT 5x6 HV |
| STD7N80K5 | 800 | 1.2 | - | 6 | 13.4 | DPAK |
| STF7N80K5 | 800 | 1.2 | - | 6 | 13.4 | TO-220FP |
| STF17N80K5 | 800 | 1.2 | - | 6 | 13.4 | I ² PAKFP |
| STL7N80K5 | 800 | 1.2 | - | 3.6 | 13.4 | PowerFLAT 5x6 VHV |

N-CHANNEL >700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|---------------------------|----------------------|---|------------------|--------------------------|---------------------------|----------------------|
| STP7N80K5 | 800 | 1.2 | - | 6 | 13.4 | TO-220 |
| STU7N80K5 | 800 | 1.2 | - | 6 | 13.4 | IPAK |
| STB6N80K5 | 800 | 1.6 | - | 4.5 | 7.5 | D ² PAK |
| STD6N80K5 | 800 | 1.6 | - | 4.5 | 7.5 | DPAK |
| STF6N80K5 | 800 | 1.6 | - | 4.5 | 7.5 | TO-220FP |
| STF16N80K5 | 800 | 1.6 | - | 4.5 | 7.5 | I ² PAKFP |
| STI6N80K5 | 800 | 1.6 | - | 4.5 | 7.5 | I ² PAK |
| STP6N80K5 | 800 | 1.6 | - | 4.5 | 7.5 | TO-220 |
| STB5N80K5 | 800 | 1.75 | - | 4 | 5.5 | D ² PAK |
| STF15N80K5 ^(*) | 800 | 1.75 | - | 4 | 5.5 | I ² PAKFP |
| STP5N80K5 ^(*) | 800 | 1.75 | - | 4 | 5.5 | TO-220 |
| STD5N80K5 ^(*) | 800 | 1.75 | - | 4 | 5.5 | DPAK |
| STF5N80K5 ^(*) | 800 | 1.75 | - | 4 | 5.5 | TO-220FP |
| STL5N80K5 ^(*) | 800 | 1.75 | - | 4 | 5.5 | PowerFLAT 5x6 HV |
| STB9N80Z | 800 | 1.8 | Yes | 5.2 | 40 | D ² PAK |
| STD4N80K5 | 800 | 2.5 | - | 3 | 10.5 | DPAK |
| STF4N80K5 | 800 | 2.5 | - | 3 | 10.5 | TO-220FP |
| STL4N80K5 | 800 | 2.5 | - | 3 | 10.5 | PowerFLAT 5x6 HV |
| STP4N80K5 | 800 | 2.5 | - | 3 | 10.5 | TO-220 |
| STU4N80K5 | 800 | 2.5 | - | 3 | 10.5 | IPAK |
| STD4LN80K5 ^(*) | 800 | 2.6 | - | 3 | 4 | DPAK |
| STF4LN80K5 ^(*) | 800 | 2.6 | - | 3 | 4 | TO-220FP |
| STL4LN80K5 ^(*) | 800 | 2.6 | - | 3 | 4 | PowerFLAT 5x6 HV |
| STP4LN80K5 ^(*) | 800 | 2.6 | - | 3 | 4 | TO-220 |
| STF3LN80K5 ^(*) | 800 | 3.25 | - | 2.4 | - | TO-220FP |
| STD3LN80K5 ^(*) | 800 | 3.25 | - | 2.4 | - | DPAK |
| STP3LN80K5 ^(*) | 800 | 3.25 | - | 2.4 | - | TO-220 |
| STU3LN80K5 ^(*) | 800 | 3.25 | - | 2.4 | - | IPAK |

Note: * coming soon

N-CHANNEL >700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|----------------|----------------------|---|------------------|--------------------------|---------------------------|--------------------|
| STD3N80K5 | 800 | 3.5 | - | 2.5 | 9.5 | DPAK |
| STF3N80K5 | 800 | 3.5 | - | 2.5 | 9.5 | TO-220FP |
| STP3N80K5 | 800 | 3.5 | - | 2.5 | 9.5 | TO-220 |
| STU3N80K5 | 800 | 3.5 | - | 2.5 | 9.5 | IPAK |
| STD2N80K5 | 800 | 4.5 | - | 2 | 5 | DPAK |
| STF2N80K5 | 800 | 4.5 | - | 2 | 5 | TO-220FP |
| STP2N80K5 | 800 | 4.5 | - | 2 | 5 | TO-220 |
| STU2N80K5 | 800 | 4.5 | - | 2 | 5 | IPAK |
| STL2N80K5 | 800 | 4.5 | - | 1.5 | 5 | PowerFLAT 5x6 VHV |
| STD1NK80ZT4 | 800 | 16 | - | 1 | 5 | DPAK |
| STN1NK80Z | 800 | 16 | - | 0.25 | 5 | SOT-223 |
| STW23N85K5 | 850 | 0.275 | - | 19 | 38 | TO-247 |
| STL23N85K5(*) | 850 | 0.275 | - | 18 | 38 | PowerFLAT 8x8 HV |
| STW40N90K5(*) | 900 | 0.11 | - | 40 | 95 | TO-247 |
| STWA40N90K5(*) | 900 | 0.11 | - | 40 | 95 | TO-247 long leads |
| STW40N95K5 | 950 | 0.13 | - | 38 | 93 | TO-247 |
| STWA40N95K5 | 950 | 0.13 | - | 38 | 93 | TO-247 long leads |
| STB20N90K5(*) | 900 | 0.26 | - | 20 | 45 | D ² PAK |
| STF20N90K5(*) | 900 | 0.26 | - | 20 | 45 | TO-220FP |
| STP20N90K5(*) | 900 | 0.26 | - | 20 | 45 | TO-220 |
| STW20N90K5(*) | 900 | 0.26 | - | 20 | 45 | TO-247 |
| STB21N90K5 | 900 | 0.299 | - | 18.5 | 43 | D ² PAK |
| STF21N90K5 | 900 | 0.299 | - | 18.5 | 43 | TO-220FP |
| STP21N90K5 | 900 | 0.299 | - | 18.5 | 43 | TO-220 |
| STW21N90K5 | 900 | 0.299 | - | 18.5 | 43 | TO-247 |
| STB20N95K5 | 950 | 0.33 | - | 17.5 | 48 | D ² PAK |
| STF20N95K5 | 950 | 0.33 | - | 17.5 | 48 | TO-220FP |
| STP20N95K5 | 950 | 0.33 | - | 17.5 | 48 | TO-220 |

Note: * coming soon

N-CHANNEL >700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|--------------------------|----------------------|---|------------------|--------------------------|---------------------------|----------------------|
| STW20N95K5 | 950 | 0.33 | - | 17.5 | 48 | TO-247 |
| STW22N95K5 | 950 | 0.33 | Yes | 17.5 | 48 | TO-247 |
| STWA20N95K5 | 950 | 0.33 | - | 17.5 | 48 | TO-247 long leads |
| STF15N95K5 | 950 | 0.5 | - | 12 | 27 | TO-220FP |
| STP15N95K5 | 950 | 0.5 | - | 12 | 27 | TO-220 |
| STW15N95K5 | 950 | 0.5 | - | 12 | 27 | TO-247 |
| STW8N90K5 ^(*) | 900 | 0.8 | - | 8 | 17 | TO-247 |
| STP8N90K5 ^(*) | 900 | 0.8 | - | 8 | 17 | TO-220 |
| STF8N90K5 ^(*) | 900 | 0.8 | - | 8 | 17 | TO-220FP |
| STB8N90K5 ^(*) | 900 | 0.8 | - | 8 | 17 | D ² PAK |
| STB10N95K5 | 950 | 0.8 | - | 8 | 20 | D ² PAK |
| STB10N95K5 | 950 | 0.8 | - | 8 | 20 | D ² PAK |
| STF10N95K5 | 950 | 0.8 | - | 8 | 20 | TO-220FP |
| STP10N95K5 | 950 | 0.8 | - | 8 | 20 | TO-220 |
| STW10N95K5 | 950 | 0.8 | - | 8 | 20 | TO-247 |
| STD6N90K5 ^(*) | 900 | 1.25 | - | 6 | 13 | DPAK |
| STF6N90K5 ^(*) | 900 | 1.25 | - | 6 | 13 | TO-220FP |
| STP6N90K5 ^(*) | 900 | 1.25 | - | 6 | 13 | TO-220 |
| STU6N90K5 ^(*) | 900 | 1.25 | - | 6 | 13 | IPAK |
| STW6N90K5 ^(*) | 900 | 1.25 | - | 6 | 13 | TO-247 |
| STD6N95K5 | 950 | 1.25 | - | 9 | 13 | DPAK |
| STF6N95K5 | 950 | 1.25 | - | 9 | 13 | TO-220FP |
| STH6N95K5-2 | 950 | 1.25 | - | 6 | 13 | H ² PAK-2 |
| STP6N95K5 | 950 | 1.25 | - | 9 | 13 | TO-220 |
| STU6N95K5 | 950 | 1.25 | - | 9 | 13 | IPAK |
| STW6N95K5 | 950 | 1.25 | - | 9 | 13 | TO-247 |
| STF9NK90Z | 900 | 1.3 | - | 8 | 72 | TO-220FP |
| STD4N90K5 ^(*) | 900 | 2.4 | - | 3.5 | 8 | DPAK |

Note: * coming soon

N-CHANNEL >700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|----------------|----------------------|---|------------------|--------------------------|---------------------------|----------|
| STF4N90K5(*) | 900 | 2.4 | - | 3.5 | 8 | TO-220FP |
| STP4N90K5(*) | 900 | 2.4 | - | 3.5 | 8 | TO-220 |
| STD5N95K5 | 950 | 2.5 | - | 3.5 | 7 | DPAK |
| STF5N95K5 | 950 | 2.5 | - | 3.5 | 7 | TO-220FP |
| STU5N95K5 | 950 | 2.5 | - | 3.5 | 7 | IPAK |
| STP5N95K5 | 950 | 2.5 | - | 3.5 | 7 | TO-220 |
| STD2N95K5 | 950 | 5 | - | 2 | 10 | DPAK |
| STF2N95K5 | 950 | 5 | - | 2 | 10 | TO-220FP |
| STP2N95K5 | 950 | 5 | - | 2 | 10 | TO-220 |
| STU3N95K5AG(*) | 950 | 5 | Yes | 2 | 10 | IPAK |
| STD3N95K5AG(*) | 950 | 5 | Yes | 2 | 10 | DPAK |
| STU2N95K5 | 950 | 5 | - | 2 | 10 | IPAK |
| STW13NK100Z | 1000 | 0.7 | - | 13.5 | 220 | TO-247 |
| STF10N105K5 | 1050 | 1.3 | - | 6 | 21.5 | TO-220FP |
| STP10N105K5 | 1050 | 1.3 | - | 6 | 21.5 | TO-220 |
| STD3NK90Z | 900 | 4.8 | - | 3 | 22.7 | DPAK |
| STD2NK90Z | 900 | 6.5 | - | 2.1 | 19.5 | DPAK |
| STD2NK90Z-1 | 900 | 6.5 | - | 2.1 | 19.5 | IPAK |
| STW10N105K5 | 1050 | 1.3 | - | 6 | 21.5 | TO-247 |
| STF7N105K5 | 1050 | 2 | - | 4 | 17 | TO-220FP |
| STP7N105K5 | 1050 | 2 | - | 4 | 17 | TO-220 |
| STU7N105K5 | 1050 | 2 | - | 4 | 17 | IPAK |
| STW7N105K5 | 1050 | 2 | - | 4 | 17 | TO-247 |
| STF5N105K5 | 1050 | 3.5 | - | 3 | 12.5 | TO-220FP |
| STP5N105K5 | 1050 | 3.5 | - | 3 | 12.5 | TO-220 |
| STD3NK100Z | 1000 | 6 | - | 2.5 | 18 | DPAK |
| STD4NK100Z | 1000 | 6.8 | Yes | 2.2 | 18 | DPAK |
| STD2N105K5 | 1050 | 8 | - | 1.5 | 10 | DPAK |

Note: * coming soon

N-CHANNEL >700 V (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|---------------|----------------------|---|------------------|--------------------------|---------------------------|----------------------|
| STFW2N105K5 | 1050 | 8 | - | 1.5 | 10 | TO-3PF |
| STP2N105K5 | 1050 | 8 | - | 1.5 | 10 | TO-220 |
| STU2N105K5 | 1050 | 8 | - | 1.5 | 10 | IPAK |
| STP2NK100Z | 1000 | 8.5 | - | 1.85 | 16 | TO-220 |
| STFW1N105K3 | 1050 | 11 | - | 1.4 | 13 | TO-3PF |
| STF12N120K5 | 1200 | 0.69 | - | 12 | 44.2 | TO-220FP |
| STW21N150K5 | 1500 | 0.9 | - | 14 | 95 | TO-247 |
| STW12N150K5 | 1500 | 1.9 | - | 7 | 47 | TO-247 |
| STFW12N120K5 | 1200 | 0.69 | - | 12 | 44.2 | TO-3PF |
| STH12N120K5-2 | 1200 | 0.69 | - | 12 | 44.2 | H ² PAK-2 |
| STP12N120K5 | 1200 | 0.69 | - | 12 | 44.2 | TO-220 |
| STW12N120K5 | 1200 | 0.69 | - | 12 | 44.2 | TO-247 |
| STWA12N120K5 | 1200 | 0.69 | - | 12 | 44.2 | TO-247 long leads |
| STFW6N120K3 | 1200 | 2.4 | - | 6 | 34 | TO-3PF |
| STP6N120K3 | 1200 | 2.4 | - | 6 | 34 | TO-220 |
| STW6N120K3 | 1200 | 2.4 | - | 6 | 34 | TO-247 |
| STW9N150 | 1500 | 2.5 | - | 8 | 89.3 | TO-247 |
| STP4N150 | 1500 | 7 | - | 3.1 | 35 | TO-220 |
| STFW4N150 | 1500 | 7 | - | 4 | 30 | TO-3PF |
| STW4N150 | 1500 | 7 | - | 4 | 30 | TO-247 |
| STP3N150 | 1500 | 9 | - | 2.5 | 29.3 | TO-220 |
| STFW3N150 | 1500 | 9 | - | 2.5 | 29.3 | TO-3PF |
| STH3N150-2 | 1500 | 9 | - | 2.5 | 29.3 | H ² PAK-2 |
| STW3N150 | 1500 | 9 | - | 2.5 | 29.3 | TO-247 |
| STFW3N170 | 1700 | 13 | - | 2.6 | 44 | TO-3PF |
| STW3N170 | 1700 | 13 | - | 2.6 | 44 | TO-247 |

P-channel

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ 1.8 V (Ω) | R _{DS(on)} (max) @ 2.5 V (Ω) | R _{DS(on)} (max) (@ 4.5 V or 5 V) (Ω) | R _{DS(on)} (max) (@ V _{GS} = 10 V) (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|------------------------------|----------------------|--|--|---|---|---------------------|--------------------------|---------------------------|-----------------------------|
| STD3PK50Z | -500 | - | - | - | 4 | - | -2.8 | 20 | DKPAK |
| STD10P10F6 | -100 | - | - | - | 0.18 | - | -10 | 17 | DKPAK |
| STL13DP10F6 | -100 | - | - | - | 0.18 | - | -3.3 | 17 | PowerFLAT 5x6 double island |
| STD40P8F6AG ^(*) | -80 | - | - | - | 0.028 | - | - | - | DKPAK |
| STL42P6LLF6 | -60 | - | - | 0.034 | 0.026 | - | -42 | 30 | PowerFLAT 5x6 |
| STD35P6LLF6 | -60 | - | - | 0.036 | 0.028 | - | -35 | 30 | DKPAK |
| STF21P6LLF6 | -60 | - | - | 0.036 | 0.028 | - | -21 | 30 | TO-220FP |
| STD10P6F6 | -60 | - | - | - | 0.16 | - | -10 | 6.4 | DKPAK |
| STD15P6F6AG | -60 | - | - | - | 0.16 | Yes | -10 | 6.4 | DKPAK |
| STF10P6F6 | -60 | - | - | - | 0.16 | - | -10 | 6.4 | TO-220FP |
| STL12P6F6 | -60 | - | - | - | 0.16 | - | -3 | 6.4 | PowerFLAT 5x6 |
| STN3P6F6 | -60 | - | - | - | 0.16 | - | -3 | 6.4 | SOT-223 |
| STN4P6F6AG ^(*) | -60 | - | - | - | 0.16 | Yes | -3 | 6.4 | SOT-223 |
| STP10P6F6 | -60 | - | - | - | 0.16 | - | -10 | 6.4 | TO-220 |
| STS3P6F6 | -60 | - | - | - | 0.16 | - | -3 | 6.4 | SO-8 |
| STU10P6F6 | -60 | - | - | - | 0.16 | - | -10 | 6.4 | IPAK |
| STU10P6F6 | -60 | - | - | - | 0.16 | - | -19 | 6.4 | IPAK |
| STP80PF55 | -55 | - | - | - | 0.018 | - | -80 | 190 | TO-220 |
| STL60P4LLF6 | -40 | - | - | 0.0019 | 0.014 | - | -60 | 34 | PowerFLAT 5x6 |
| STL65P4LLF6AG ^(*) | -40 | - | - | 0.0019 | 0.014 | - | -60 | 34 | PowerFLAT 5x6 |
| STD46P4LLF6 | -40 | - | - | 0.02 | 0.015 | - | -50 | 34 | DKPAK |
| STD45P4LLF6AG | -40 | - | - | 0.02 | 0.015 | Yes | -50 | 65.5 | DKPAK |
| STS10P4LLF6 | -40 | - | - | 0.02 | 0.015 | - | -10 | 34 | SO-8 |
| STL42P4LLF6 | -40 | - | - | 0.026 | 0.018 | - | -42 | 22 | PowerFLAT 5x6 |
| STL8P4LLF6 | -40 | - | - | 0.029 | 0.0205 | - | -8 | 22 | PowerFLAT 3.3x3.3 |
| STS7P4LLF6 | -40 | - | - | 0.029 | 0.0205 | - | -7 | 22 | SO-8 |
| STD36P4LLF6 | -40 | - | - | 0.029 | 0.022 | - | -36 | 22 | DKPAK |

Note: * coming soon

P-CHANNEL (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ 1.8 V (Ω) | R _{DS(on)} (max) @ 2.5 V (Ω) | R _{DS(on)} (max) (@ 4.5 V or 5 V) (Ω) | R _{DS(on)} (max) (@ V _{GS} = 10 V) (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _s (typ) (nC) | Package |
|------------------|----------------------|--|--|---|---|---------------------|--------------------------|---------------------------|-------------------|
| STL150P3LLH6(*) | -30 | - | - | 0.0052 | 0.0035 | - | - | 93 | PowerFLAT 5x6 |
| STD95P3LLH6AG(*) | -30 | - | - | 0.0097 | 0.0068 | - | - | - | DBPAK |
| STS10P3LLH6 | -30 | - | - | 0.017 | 0.012 | - | -12.5 | 33 | SO-8 |
| STD37P3H6AG | -30 | - | - | - | 0.015 | Yes | -49 | 30.6 | DBPAK |
| STL62P3LLH6 | -30 | - | - | 0.0105 | 0.016 | - | -62 | 25 | PowerFLAT 5x6 |
| STL65P3LLH6AG(*) | -30 | - | - | 0.0105 | 0.016 | Yes | -62 | 33 | PowerFLAT 5x6 |
| STD52P3LLH6 | -30 | - | - | 0.012 | 0.017 | - | -52 | 33 | DBPAK |
| STP52P3LLH6 | -30 | - | - | 0.012 | 0.017 | - | -52 | 33 | TO-220 |
| STD40P3LLH6 | -30 | - | - | 0.03 | 0.018 | - | -40 | 26 | DBPAK |
| STL45P3LLH6 | -30 | - | - | 0.03 | 0.018 | - | -45 | 26 | PowerFLAT 5x6 |
| STL9P3LLH6 | -30 | - | - | 0.03 | 0.018 | - | -9 | 26 | PowerFLAT 3.3x3.3 |
| STS9P3LLH6 | -30 | - | - | 0.03 | 0.018 | - | -9 | 26 | SO-8 |
| STD26P3LLH6 | -30 | - | - | 0.045 | 0.03 | - | -24 | 12 | DBPAK |
| STD28P3LLH6AG | -30 | - | - | 0.05 | 0.03 | Yes | -12 | 29 | DBPAK |
| STL30P3LLH6 | -30 | - | - | 0.05 | 0.03 | - | -30 | 26 | PowerFLAT 5x6 |
| STL6P3LLH6 | -30 | - | - | 0.05 | 0.03 | - | -6 | 12 | PowerFLAT 3.3x3.3 |
| STS6P3LLH6 | -30 | - | - | 0.05 | 0.03 | - | -6 | 12 | SO-8 |
| STD20P3H6AG | -30 | - | - | - | 0.05 | Yes | -20 | 12.8 | DBPAK |
| STS5PF30L | -30 | - | - | 0.075 | 0.055 | - | -5 | 12.5 | SO-8 |
| STL4P3LLH6 | -30 | - | - | 0.09 | 0.056 | - | -4 | 6 | PowerFLAT 2x2 |
| STR2P3LLH6 | -30 | - | - | 0.09 | 0.056 | - | -2 | 6 | SOT-23 |
| STS5P3LLH6 | -30 | - | - | 0.09 | 0.056 | - | -5 | 6 | SO-8 |
| STT4P3LLH6 | -30 | - | - | 0.09 | 0.056 | - | -4 | 6 | SOT23-6L |
| STS5DP3LLH6 | -30 | - | - | 0.09 | 0.06 | - | 0 | 0 | SO-8 |
| STD20P3H6AG | -30 | - | - | - | 0.05 | - | -20 | 12.8 | DBPAK |
| STL8P2UH7 | -20 | 0.043 | 0.025 | 0.0225 | - | - | -8 | 22 | PowerFLAT 2x2 |
| STL9P2UH7 | -20 | 0.043 | 0.025 | 0.0225 | - | - | -9 | 22 | PowerFLAT 3.3x3.3 |
| STS9P2UH7 | -20 | 0.043 | 0.025 | 0.0225 | - | - | -9 | 22 | SO-8 |

Note: * coming soon

P-CHANNEL (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ 1.8 V (Ω) | R _{DS(on)} (max) @ 2.5 V (Ω) | R _{DS(on)} (max) (@ 4.5 V or 5 V) (Ω) | R _{DS(on)} (max) (@ V _{GS} = 10 V) (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _y (typ) (nC) | Package |
|---------------------------|----------------------|--|--|---|---|---------------------|--------------------------|---------------------------|-----------------------------|
| STT7P2UH7 | -20 | 0.043 | 0.025 | 0.0225 | - | - | -7 | 22 | SOT23-6L |
| STL4P2UH7 | -20 | 0.18 | 0.13 | 0.1 | - | - | -4 | 4.8 | PowerFLAT 2x2 |
| STR1P2UH7 | -20 | 0.18 | 0.13 | 0.1 | - | - | -1.4 | 4.8 | SOT23 |
| STT3P2UH7 | -20 | 0.18 | 0.13 | 0.1 | - | - | -3 | 4.8 | SOT23-6L |
| Complementary pair | | | | | | | | | |
| STL40C30H3LL | -30 | - | - | 0.05 | 0.03 | - | -30 | 12 | PowerFLAT 5x6 double island |
| STL40C30H3LL | 30 | - | - | 0.028 | 0.021 | - | 40 | 4.6 | PowerFLAT 5x6 double island |
| STS8C5H30L | -30 | - | - | 0.75 | 0.55 | - | -5 | 16 | S0-8 |
| STS8C5H30L | 30 | - | - | 0.25 | 0.22 | - | 8 | 10 | S0-8 |

N-channel fast recovery diode

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | t _{tr} (typ) (ns) | Q _{rr} (typ) (nC) | I _{rm} (typ) (A) | Package |
|-------------------|----------------------|---|---------------------|--------------------------|---------------------------|----------------------------|----------------------------|---------------------------|--------------------|
| STW70N60DM2 | 600 | 0.042 | - | 68 | 121 | 150 | 750 | 9.6 | TO-247 |
| STW72N60DM2AG | 600 | 0.042 | Yes | 68 | 121 | 150 | 750 | 9.6 | TO-247 |
| STWA72N60DM2AG(*) | 600 | 0.042 | Yes | 68 | 121 | 150 | 720 | 9.6 | TO-247 long leads |
| STWA70N60DM2 | 600 | 0.042 | - | 68 | 121 | 150 | 720 | 9.6 | TO-247 long leads |
| STW56N60DM2 | 600 | 0.060 | - | 50 | 110 | 140 | 756 | 10.8 | TO-247 |
| STW58N60DM2AG | 600 | 0.060 | Yes | 50 | 110 | 140 | 756 | 10.8 | TO-247 |
| STWA58N60DM2AG | 600 | 0.060 | Yes | 50 | 90 | 140 | 756 | 10.8 | TO-247 long leads |
| STW58N60DM2AG | 600 | 0.060 | Yes | 50 | 90 | 140 | 756 | 10.8 | TO-247 |
| STW48N60DM2 | 600 | 0.079 | - | 40 | 90 | 130 | 650 | 10 | TO-247 |
| STW47NM60ND | 600 | 0.088 | Yes | 35 | 120 | 190 | 1600 | 17 | TO-247 |
| STB43N60DM2 | 600 | 0.093 | - | 34 | 56 | 120 | 624 | 10.4 | D ² PAK |
| STB45N60DM2AG | 600 | 0.093 | - | 34 | 56 | 120 | 624 | 10.4 | D ² PAK |
| STF43N60DM2 | 600 | 0.093 | - | 34 | 56 | 120 | 624 | 10.4 | TO-220FP |
| STP43N60DM2 | 600 | 0.093 | - | 34 | 56 | 120 | 624 | 10.4 | TO-220 |
| STP45N60DM2AG | 600 | 0.093 | - | 34 | 56 | 120 | 624 | 10.4 | TO-220 |
| STW43N60DM2 | 600 | 0.093 | - | 34 | 56 | 120 | 624 | 10.4 | TO-247 |
| STW45N60DM2AG | 600 | 0.093 | - | 34 | 56 | 120 | 624 | 10.4 | TO-247 |
| STW45N60DM2AG | 600 | 0.093 | - | 34 | 56 | 120 | 624 | 10.4 | TO-247 |
| STWA45N60DM2AG(*) | 600 | 0.093 | - | 34 | 56 | 120 | 624 | 10.4 | TO-247 long leads |
| STB35N60DM2 | 600 | 0.110 | - | 28 | 54 | 120 | 612 | 10.2 | D ² PAK |
| STB37N60DM2AG | 600 | 0.110 | Yes | 28 | 54 | 120 | 612 | 10.2 | D ² PAK |
| STF35N60DM2 | 600 | 0.110 | - | 28 | 54 | 120 | 612 | 10.2 | TO-220FP |
| STP35N60DM2 | 600 | 0.110 | - | 28 | 54 | 120 | 612 | 10.2 | TO-220 |
| STW35N60DM2 | 600 | 0.110 | - | 28 | 54 | 120 | 612 | 10.2 | TO-247 |
| STW37N60DM2AG | 600 | 0.110 | Yes | 28 | 54 | 120 | 612 | 10.2 | TO-247 |
| STWA37N60DM2AG(*) | 600 | 0.110 | Yes | 28 | 54 | 120 | 612 | 10.2 | TO-247 long leads |
| STB36NM60ND | 600 | 0.110 | Yes | 29 | 80.4 | 175 | 1400 | 16 | D ² PAK |

Note: * coming soon

N-CHANNEL FAST RECOVERY DIODE (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ 10 V (Ω) | Automotive Grade | I _{DJ(Cont)} (A) | Q _s (typ) (nC) | t _{rr} (typ) (ns) | Q _{rr} (typ) (nC) | I _{rm} (typ) (A) | Package |
|----------------------------|----------------------|---|---------------------|---------------------------|---------------------------|----------------------------|----------------------------|---------------------------|--------------------|
| STL45N60DM6 ^(*) | 600 | 0.100 | - | 26 | 50 | - | - | - | PowerFLAT 8x8 HV |
| STW36NM60ND | 600 | 0.110 | Yes | 29 | 80.4 | 175 | 1400 | 16 | TO-247 |
| STB33N60DM2 | 600 | 0.130 | - | 24 | 43 | 120 | 530 | 8.8 | D ² PAK |
| STF33N60DM2 | 600 | 0.130 | - | 24 | 43 | 120 | 530 | 8.8 | D ² PAK |
| STP33N60DM2 | 600 | 0.130 | - | 24 | 43 | 120 | 530 | 8.8 | TO-220FP |
| STW33N60DM2 | 600 | 0.130 | - | 24 | 43 | 120 | 530 | 8.8 | TO-220 |
| STL33N60DM2 | 600 | 0.140 | - | 21 | 43 | 120 | 530 | 8.8 | PowerFLAT 8x8 HV |
| STB27NM60ND | 600 | 0.160 | Yes | 21 | 80 | 160 | 1000 | 15 | D ² PAK |
| STW27NM60ND | 600 | 0.160 | Yes | 21 | 80 | 160 | 1000 | 15 | TO-247 |
| STB28N60DM2 | 600 | 0.160 | - | 22 | 34 | 110 | 407 | 7.4 | D ² PAK |
| STF28N60DM2 | 600 | 0.160 | - | 22 | 34 | 110 | 407 | 7.4 | TO-220FP |
| STP28N60DM2 | 600 | 0.160 | - | 22 | 34 | 110 | 407 | 7.4 | TO-220 |
| STW28N60DM2 | 600 | 0.160 | - | 22 | 34 | 110 | 407 | 7.4 | TO-247 |
| STL28N60DM2 | 600 | 0.175 | - | 21 | 34 | 110 | 407 | 7.4 | PowerFLAT 8x8 HV |
| STB24N60DM2 | 600 | 0.200 | - | 18 | 29 | 155 | 956 | 12.5 | D ² PAK |
| STF24N60DM2 | 600 | 0.200 | - | 18 | 29 | 155 | 956 | 12.5 | TO-220FP |
| STP24N60DM2 | 600 | 0.200 | - | 18 | 29 | 155 | 956 | 12.5 | TO-220 |
| STW24N60DM2 | 600 | 0.200 | - | 18 | 29 | 155 | 956 | 12.5 | TO-247 |
| STL24N60DM2 | 600 | 0.220 | - | 18 | 29 | 155 | 956 | 12.5 | PowerFLAT 8x8 HV |
| STB18N60DM2 | 600 | 0.295 | - | 12 | 20 | 125 | 675 | 11 | D ² PAK |
| STF18N60DM2 | 600 | 0.295 | - | 12 | 20 | 125 | 675 | 11 | TO-220FP |
| STP18N60DM2 | 600 | 0.295 | - | 12 | 20 | 125 | 675 | 11 | TO-220 |
| STW18N60DM2 | 600 | 0.295 | - | 12 | 20 | 125 | 675 | 11 | TO-247 |
| STL19N60DM2 | 600 | 0.320 | - | 11 | 20 | 125 | 675 | 11 | PowerFLAT 8x8 HV |
| STD13N60DM2 ^(*) | 600 | 0.365 | - | 12 | 20 | 90 | 252 | 5.6 | DPAK |
| STF13N60DM2 ^(*) | 600 | 0.365 | - | 12 | 20 | 90 | 252 | 5.6 | TO-220FP |
| STL13N60DM2 ^(*) | 600 | 0.380 | - | 12 | 20 | 90 | 252 | 5.6 | PowerFLAT 5x6 HV |
| STD13NM60ND | 600 | 0.380 | - | 11 | 24.5 | 150 | 755 | 12 | DPAK |

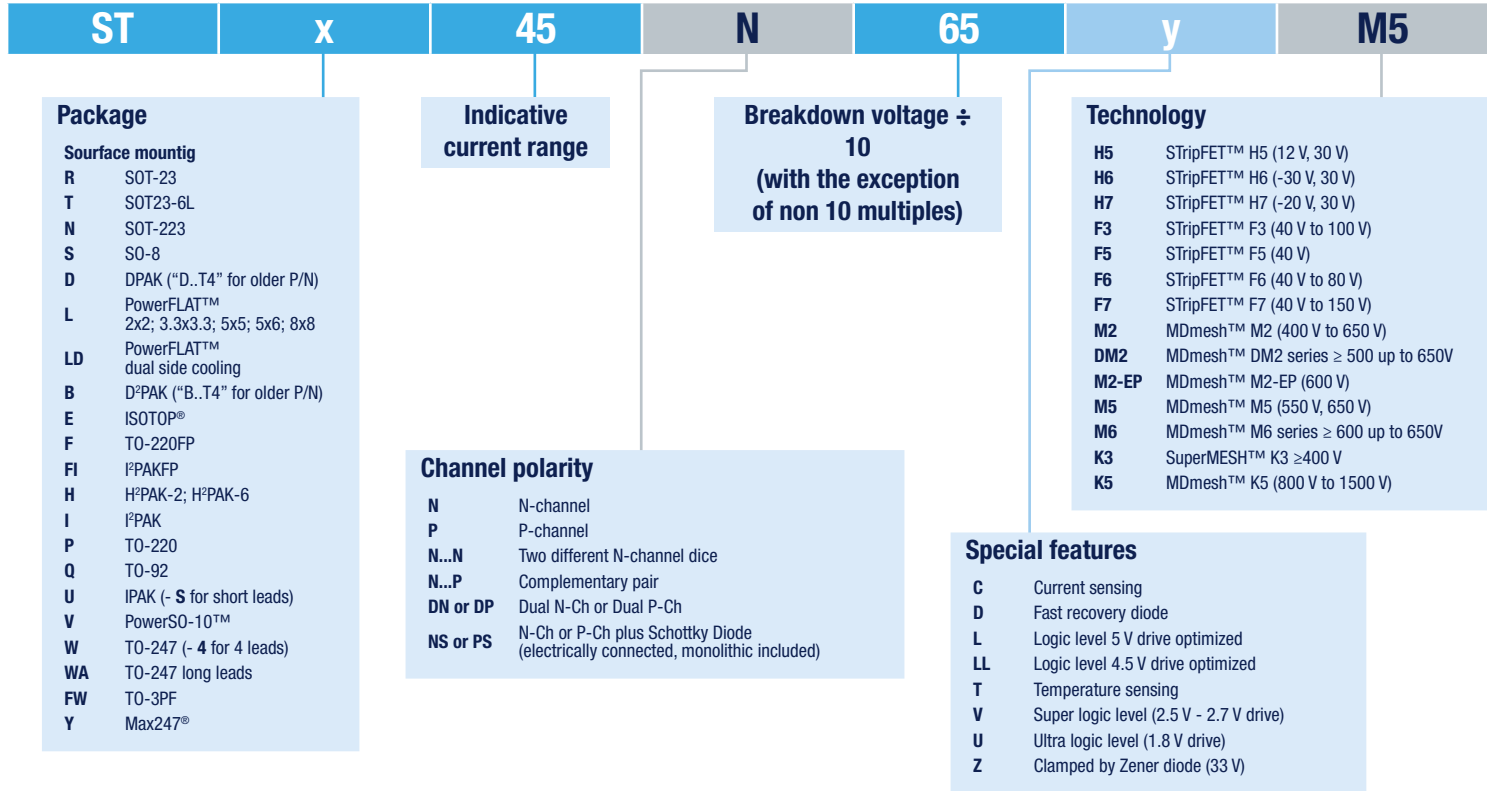
Note: * coming soon

N-CHANNEL FAST RECOVERY DIODE (CONT'D)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _s (typ) (nC) | t _{rr} (typ) (ns) | Q _{rr} (typ) (nC) | I _{rm} (typ) (A) | Package |
|----------------|----------------------|---|---------------------|--------------------------|---------------------------|----------------------------|----------------------------|---------------------------|----------|
| STF13NM60ND | 600 | 0.380 | - | 11 | 24.5 | 150 | 755 | 12 | TO-220FP |
| STD11N60DM2(*) | 600 | 0.420 | - | 11 | 16 | 90 | - | - | DPAK |
| STF11N60DM2(*) | 600 | 0.420 | - | 11 | 16 | 90 | - | - | TO-220FP |
| STP11N60DM2(*) | 600 | 0.420 | - | 11 | 16 | 90 | - | - | TO-220 |
| STD10N60DM2(*) | 600 | 0.530 | - | 8.5 | 13 | 90 | - | - | DPAK |
| STF10N60DM2(*) | 600 | 0.530 | - | 8.5 | 13 | 90 | - | - | TO-220FP |
| STF10NM60ND | 600 | 0.600 | - | 8 | 20 | 118 | 680 | 11 | TO-220FP |
| STP10NM60ND | 600 | 0.600 | - | 8 | 20 | 118 | 680 | 11 | TO-220 |
| STF8N60DM2(*) | 600 | 0.600 | - | 8 | 13.5 | 80 | 188 | 4.7 | TO-220FP |
| STD8N60DM2(*) | 600 | 0.600 | - | 8 | 13.5 | 80 | 188 | 4.7 | DPAK |
| STD10NM60ND | 600 | 0.600 | - | 8 | 20 | 118 | 680 | 11 | DPAK |
| STF10NM60ND | 600 | 0.600 | - | 8 | 20 | 118 | 680 | 11 | TO-220FP |
| STD5N60DM2(*) | 600 | 1.550 | - | 3.5 | 8.6 | 70 | 133 | 3.8 | DPAK |

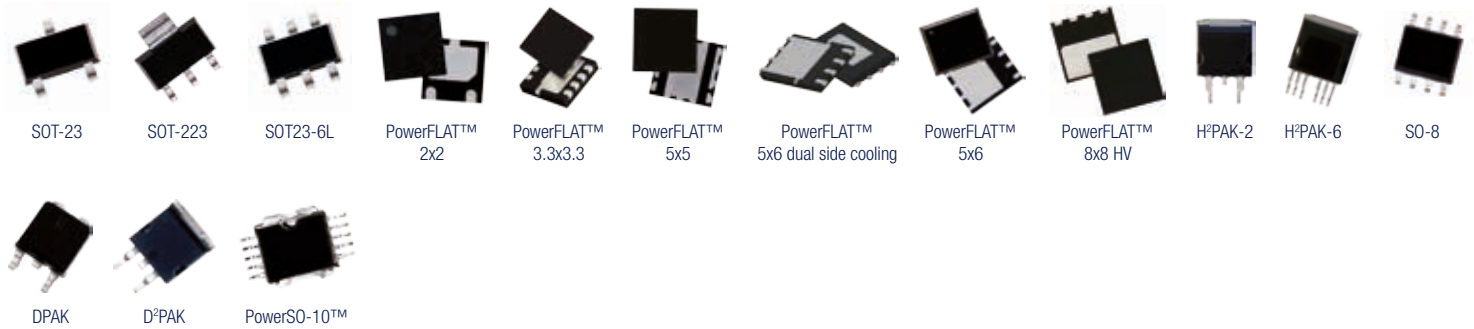
Note: * coming soon

Power MOSFETs: Nomenclature

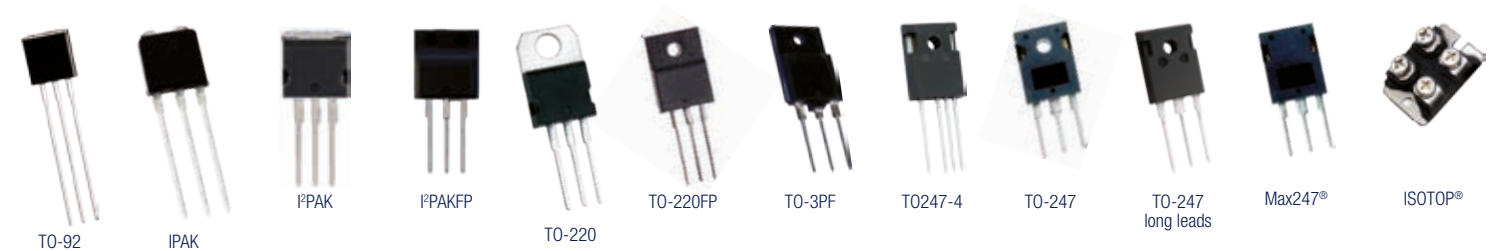


Packages

SURFACE MOUNTING PACKAGES



THROUGH HOLE PACKAGES



Package images are not to scale



Стандарт Электрон Связь

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