

# KMR Series (160~450WV)

- Downsized 5mm in height from current snap-ins KMQ series
- Max. 50% up ripple current than same case size of KMQ series
- Endurance : 105°C 2,000hrs with ripple current
- Rated voltage range : 160 to 450WV, Capacitance range : 100 to 3900μF
- For inverter control, switching power supply
- Non solvent-proof type
- RoHS Compliant

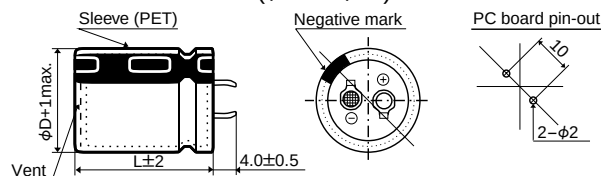


## ◆SPECIFICATIONS

| Items                                                  | Characteristics                                                                                                                                                                          |                                      |             |                       |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------|-----------------------|
| Category                                               |                                                                                                                                                                                          |                                      |             |                       |
| Temperature Range                                      | -25 to +105°C                                                                                                                                                                            |                                      |             |                       |
| Rated Voltage Range                                    | 160 to 450V <sub>dc</sub>                                                                                                                                                                |                                      |             |                       |
| Capacitance Tolerance                                  | ±20% (M) (at 20°C, 120Hz)                                                                                                                                                                |                                      |             |                       |
| Leakage Current                                        | I≤3√CV<br>Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 5 minutes)                                                            |                                      |             |                       |
| Dissipation Factor (tanδ)                              | Rated voltage (V <sub>dc</sub> )                                                                                                                                                         | 160 to 250V                          | 315 to 400V | 420 & 450V            |
|                                                        | tanδ (Max.)                                                                                                                                                                              | 0.15                                 | 0.15        | 0.20 (at 20°C, 120Hz) |
| Low Temperature Characteristics (Max. Impedance Ratio) | Rated voltage (V <sub>dc</sub> )                                                                                                                                                         | 160 to 250V                          | 315 to 400V | 420 & 450V            |
|                                                        | Z(-25°C)/Z(+20°C)                                                                                                                                                                        | 4                                    | 8           | 8 (at 120Hz)          |
| Endurance                                              | The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 2000 hours at 105°C. |                                      |             |                       |
|                                                        | Capacitance change                                                                                                                                                                       | ≤±20% of the initial value           |             |                       |
|                                                        | D.F. (tanδ)                                                                                                                                                                              | ≤200% of the initial specified value |             |                       |
|                                                        | Leakage current                                                                                                                                                                          | ≤The initial specified value         |             |                       |
| Shelf Life                                             | The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 105°C without voltage applied.                            |                                      |             |                       |
|                                                        | Capacitance change                                                                                                                                                                       | ≤±15% of the initial value           |             |                       |
|                                                        | D.F. (tanδ)                                                                                                                                                                              | ≤150% of the initial specified value |             |                       |
|                                                        | Leakage current                                                                                                                                                                          | ≤The initial specified value         |             |                       |

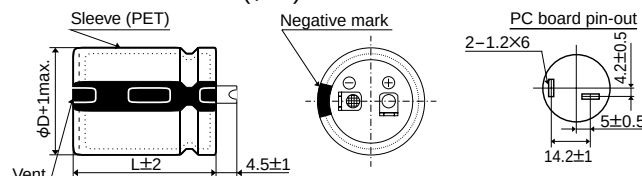
## ◆DIMENSIONS [mm]

- Terminal Code : VS (φ22 to φ35) : Standard

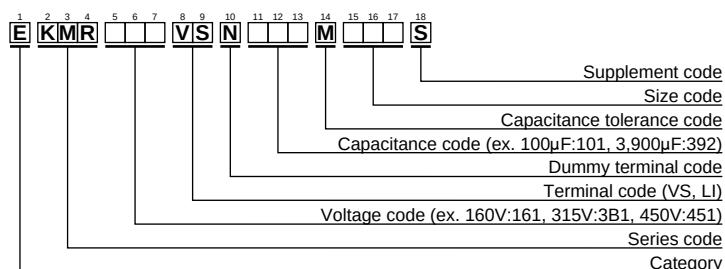


No plastic disk is the standard design.

- Terminal Code : LI (φ35)



## ◆PART NUMBERING SYSTEM



Specifications in this bulletin are subject to change without notice.

**KMR**Series (160~450WV)

## ◆STANDARD RATINGS

| WV<br>(Vdc) | Cap<br>(μF) | Case size<br>φDXL(mm) | Rated ripple<br>current<br>(Arms/105°C,120Hz) | Part No.           | WV<br>(Vdc) | Cap<br>(μF) | Case size<br>φDXL(mm) | Rated ripple<br>current<br>(Arms/105°C,120Hz) | Part No.           |
|-------------|-------------|-----------------------|-----------------------------------------------|--------------------|-------------|-------------|-----------------------|-----------------------------------------------|--------------------|
| 160         | 560         | 22×25                 | 1.58                                          | EKMR161VSN561MP25S | 200         | 1,800       | 35×35                 | 2.53                                          | EKMR201VSN182MA35S |
|             | 680         | 22×30                 | 1.83                                          | EKMR161VSN681MP30S |             | 2,200       | 30×50                 | 3.31                                          | EKMR201VSN222MR50S |
|             | 820         | 22×35                 | 2.06                                          | EKMR161VSN821MP35S |             | 2,200       | 35×40                 | 2.92                                          | EKMR201VSN222MA40S |
|             | 820         | 25.4×25               | 1.89                                          | EKMR161VSN821MQ25S |             | 2,700       | 35×45                 | 3.33                                          | EKMR201VSN272MA45S |
|             | 1,000       | 22×40                 | 2.33                                          | EKMR161VSN102MP40S |             | 2,700       | 35×50                 | 3.43                                          | EKMR201VSN272MA50S |
|             | 1,000       | 25.4×30               | 2.15                                          | EKMR161VSN102MQ30S | 250         | 330         | 22×25                 | 1.21                                          | EKMR251VSN331MP25S |
|             | 1,000       | 30×25                 | 1.90                                          | EKMR161VSN102MR25S |             | 390         | 22×30                 | 1.38                                          | EKMR251VSN391MP30S |
|             | 1,200       | 22×45                 | 2.61                                          | EKMR161VSN122MP45S |             | 470         | 22×35                 | 1.56                                          | EKMR251VSN471MP35S |
|             | 1,200       | 22×50                 | 2.69                                          | EKMR161VSN122MP50S |             | 470         | 25.4×25               | 1.43                                          | EKMR251VSN471MQ25S |
|             | 1,200       | 25.4×35               | 2.45                                          | EKMR161VSN122MQ35S |             | 560         | 22×40                 | 1.74                                          | EKMR251VSN561MP40S |
|             | 1,500       | 25.4×40               | 2.82                                          | EKMR161VSN152MQ40S |             | 560         | 25.4×30               | 1.61                                          | EKMR251VSN561MQ30S |
|             | 1,500       | 25.4×45               | 2.88                                          | EKMR161VSN152MQ45S |             | 560         | 30×25                 | 1.42                                          | EKMR251VSN561MR25S |
|             | 1,500       | 30×30                 | 2.39                                          | EKMR161VSN152MR30S |             | 680         | 22×45                 | 1.97                                          | EKMR251VSN681MP45S |
|             | 1,500       | 35×25                 | 2.17                                          | EKMR161VSN152MA25S |             | 680         | 25.4×35               | 1.85                                          | EKMR251VSN681MQ35S |
|             | 1,800       | 25.4×50               | 3.22                                          | EKMR161VSN182MQ50S |             | 820         | 22×50                 | 2.22                                          | EKMR251VSN821MP50S |
|             | 1,800       | 30×35                 | 2.73                                          | EKMR161VSN182MR35S |             | 820         | 25.4×40               | 2.08                                          | EKMR251VSN821MQ40S |
|             | 1,800       | 30×40                 | 2.82                                          | EKMR161VSN182MR40S |             | 820         | 25.4×45               | 2.13                                          | EKMR251VSN821MQ45S |
|             | 1,800       | 35×30                 | 2.47                                          | EKMR161VSN182MA30S |             | 820         | 30×30                 | 1.77                                          | EKMR251VSN821MR30S |
|             | 2,200       | 30×45                 | 3.23                                          | EKMR161VSN222MR45S |             | 820         | 35×25                 | 1.60                                          | EKMR251VSN821MA25S |
|             | 2,200       | 35×35                 | 2.79                                          | EKMR161VSN222MA35S |             | 1,000       | 25.4×50               | 2.40                                          | EKMR251VSN102MQ50S |
|             | 2,700       | 30×50                 | 3.66                                          | EKMR161VSN272MR50S |             | 1,000       | 30×35                 | 2.03                                          | EKMR251VSN102MR35S |
|             | 2,700       | 35×40                 | 3.23                                          | EKMR161VSN272MA40S |             | 1,200       | 30×40                 | 2.31                                          | EKMR251VSN122MR40S |
|             | 3,300       | 35×45                 | 3.68                                          | EKMR161VSN332MA45S |             | 1,200       | 30×45                 | 2.38                                          | EKMR251VSN122MR45S |
|             | 3,900       | 35×50                 | 4.12                                          | EKMR161VSN392MA50S |             | 1,200       | 35×30                 | 2.02                                          | EKMR251VSN122MA30S |
| 180         | 470         | 22×25                 | 1.45                                          | EKMR181VSN471MP25S |             | 1,200       | 35×35                 | 2.06                                          | EKMR251VSN122MA35S |
|             | 560         | 22×30                 | 1.66                                          | EKMR181VSN561MP30S |             | 1,500       | 30×50                 | 2.73                                          | EKMR251VSN152MR50S |
|             | 680         | 22×35                 | 1.87                                          | EKMR181VSN681MP35S | 315         | 1,500       | 35×40                 | 2.41                                          | EKMR251VSN152MA40S |
|             | 680         | 25.4×25               | 1.72                                          | EKMR181VSN681MQ25S |             | 1,800       | 35×45                 | 2.72                                          | EKMR251VSN182MA45S |
|             | 820         | 22×40                 | 2.11                                          | EKMR181VSN821MP40S |             | 2,200       | 35×50                 | 3.10                                          | EKMR251VSN222MA50S |
|             | 820         | 25.4×30               | 1.94                                          | EKMR181VSN821MQ30S |             | 180         | 22×25                 | 0.91                                          | EKMR3B1VSN181MP25S |
|             | 1,000       | 22×45                 | 2.38                                          | EKMR181VSN102MP45S |             | 220         | 22×30                 | 1.06                                          | EKMR3B1VSN221MP30S |
|             | 1,000       | 25.4×35               | 2.24                                          | EKMR181VSN102MQ35S |             | 270         | 22×35                 | 1.20                                          | EKMR3B1VSN271MP35S |
|             | 1,000       | 30×25                 | 1.90                                          | EKMR181VSN102MR25S |             | 270         | 25.4×25               | 1.15                                          | EKMR3B1VSN271MQ25S |
|             | 1,200       | 22×50                 | 2.69                                          | EKMR181VSN122MP50S |             | 330         | 22×40                 | 1.37                                          | EKMR3B1VSN331MP40S |
|             | 1,200       | 25.4×40               | 2.52                                          | EKMR181VSN122MQ40S |             | 330         | 25.4×30               | 1.30                                          | EKMR3B1VSN331MQ30S |
|             | 1,200       | 30×30                 | 2.14                                          | EKMR181VSN122MR30S |             | 390         | 22×45                 | 1.52                                          | EKMR3B1VSN391MP45S |
|             | 1,200       | 35×25                 | 1.94                                          | EKMR181VSN122MA25S |             | 390         | 25.4×35               | 1.48                                          | EKMR3B1VSN391MQ35S |
|             | 1,500       | 25.4×45               | 2.88                                          | EKMR181VSN152MQ45S |             | 390         | 30×25                 | 1.39                                          | EKMR3B1VSN391MR25S |
|             | 1,500       | 25.4×50               | 2.94                                          | EKMR181VSN152MQ50S |             | 470         | 22×50                 | 1.72                                          | EKMR3B1VSN471MP50S |
|             | 1,500       | 30×35                 | 2.49                                          | EKMR181VSN152MR35S |             | 470         | 25.4×40               | 1.67                                          | EKMR3B1VSN471MQ40S |
|             | 1,800       | 30×40                 | 2.82                                          | EKMR181VSN182MR40S |             | 470         | 30×30                 | 1.57                                          | EKMR3B1VSN471MR30S |
|             | 1,800       | 35×30                 | 2.47                                          | EKMR181VSN182MA30S |             | 470         | 35×25                 | 1.52                                          | EKMR3B1VSN471MA25S |
|             | 2,200       | 30×45                 | 3.23                                          | EKMR181VSN222MR45S |             | 560         | 25.4×45               | 1.86                                          | EKMR3B1VSN561MQ45S |
|             | 2,200       | 30×50                 | 3.31                                          | EKMR181VSN222MR50S |             | 560         | 30×35                 | 1.78                                          | EKMR3B1VSN561MR35S |
|             | 2,200       | 35×35                 | 2.79                                          | EKMR181VSN222MA35S |             | 680         | 25.4×50               | 2.10                                          | EKMR3B1VSN681MQ50S |
|             | 2,200       | 35×40                 | 2.92                                          | EKMR181VSN222MA40S |             | 680         | 30×40                 | 2.03                                          | EKMR3B1VSN681MR40S |
| 200         | 2,700       | 35×45                 | 3.33                                          | EKMR181VSN272MA45S |             | 680         | 35×30                 | 1.90                                          | EKMR3B1VSN681MA30S |
|             | 3,300       | 35×50                 | 3.79                                          | EKMR181VSN332MA50S |             | 820         | 30×45                 | 2.31                                          | EKMR3B1VSN821MR45S |
|             | 470         | 22×25                 | 1.45                                          | EKMR201VSN471MP25S | 350         | 820         | 35×35                 | 2.13                                          | EKMR3B1VSN821MA35S |
|             | 560         | 22×30                 | 1.66                                          | EKMR201VSN561MP30S |             | 1,000       | 30×50                 | 2.61                                          | EKMR3B1VSN102MR50S |
|             | 560         | 25.4×25               | 1.56                                          | EKMR201VSN561MQ25S |             | 1,000       | 35×40                 | 2.46                                          | EKMR3B1VSN102MA40S |
|             | 680         | 22×35                 | 1.87                                          | EKMR201VSN681MP35S |             | 1,200       | 35×45                 | 2.78                                          | EKMR3B1VSN122MA45S |
|             | 680         | 25.4×30               | 1.77                                          | EKMR201VSN681MQ30S |             | 1,200       | 35×50                 | 2.86                                          | EKMR3B1VSN122MA50S |
|             | 820         | 22×40                 | 2.11                                          | EKMR201VSN821MP40S |             | 150         | 22×25                 | 0.84                                          | EKMR351VSN151MP25S |
|             | 820         | 25.4×35               | 2.03                                          | EKMR201VSN821MQ35S |             | 220         | 22×30                 | 1.06                                          | EKMR351VSN221MP30S |
|             | 820         | 30×25                 | 1.72                                          | EKMR201VSN821MR25S |             | 220         | 25.4×25               | 1.04                                          | EKMR351VSN221MQ25S |
|             | 1,000       | 22×45                 | 2.38                                          | EKMR201VSN102MP45S |             | 270         | 22×35                 | 1.20                                          | EKMR351VSN271MP35S |
|             | 1,000       | 22×50                 | 2.45                                          | EKMR201VSN102MP50S |             | 270         | 25.4×30               | 1.18                                          | EKMR351VSN271MQ30S |
|             | 1,000       | 25.4×40               | 2.30                                          | EKMR201VSN102MQ40S |             | 330         | 22×40                 | 1.37                                          | EKMR351VSN331MP40S |
|             | 1,000       | 30×30                 | 1.95                                          | EKMR201VSN102MR30S |             | 330         | 22×45                 | 1.40                                          | EKMR351VSN331MP45S |
|             | 1,200       | 25.4×45               | 2.58                                          | EKMR201VSN122MQ45S |             | 330         | 25.4×35               | 1.36                                          | EKMR351VSN331MQ35S |
|             | 1,200       | 30×35                 | 2.23                                          | EKMR201VSN122MR35S |             | 330         | 30×25                 | 1.28                                          | EKMR351VSN331MR25S |
|             | 1,200       | 35×25                 | 1.94                                          | EKMR201VSN122MA25S |             | 390         | 22×50                 | 1.56                                          | EKMR351VSN391MP50S |
|             | 1,500       | 25.4×50               | 2.94                                          | EKMR201VSN152MQ50S |             | 390         | 25.4×40               | 1.52                                          | EKMR351VSN391MQ40S |
|             | 1,500       | 30×40                 | 2.58                                          | EKMR201VSN152MR40S |             | 390         | 30×30                 | 1.43                                          | EKMR351VSN391MR30S |
|             | 1,500       | 35×30                 | 2.25                                          | EKMR201VSN152MA30S |             | 390         | 35×25                 | 1.38                                          | EKMR351VSN391MA25S |
|             | 1,800       | 30×45                 | 2.92                                          | EKMR201VSN182MR45S |             | 470         | 25.4×45               | 1.71                                          | EKMR351VSN471MQ45S |

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**KMR**Series (160~450WV)

## ◆STANDARD RATINGS

| WV<br>(Vdc) | Cap<br>(μF) | Case size<br>φDXL(mm) | Rated ripple<br>current<br>(Arms/105°C,120Hz) | Part No.           | WV<br>(Vdc) | Cap<br>(μF) | Case size<br>φDXL(mm) | Rated ripple<br>current<br>(Arms/105°C,120Hz) | Part No.           |
|-------------|-------------|-----------------------|-----------------------------------------------|--------------------|-------------|-------------|-----------------------|-----------------------------------------------|--------------------|
| 350         | 560         | 25.4 × 50             | 1.90                                          | EKMR351VSN561MQ50S | 420         | 220         | 25.4 × 35             | 1.16                                          | EKMR421VSN221MQ35S |
|             | 560         | 30 × 35               | 1.78                                          | EKMR351VSN561MR35S |             | 220         | 30 × 25               | 1.11                                          | EKMR421VSN221MR25S |
|             | 560         | 30 × 40               | 1.84                                          | EKMR351VSN561MR40S |             | 270         | 22 × 50               | 1.36                                          | EKMR421VSN271MP50S |
|             | 560         | 35 × 30               | 1.72                                          | EKMR351VSN561MA30S |             | 270         | 25.4 × 40             | 1.32                                          | EKMR421VSN271MQ40S |
|             | 680         | 30 × 45               | 2.10                                          | EKMR351VSN681MR45S |             | 270         | 30 × 30               | 1.26                                          | EKMR421VSN271MR30S |
|             | 680         | 35 × 35               | 1.94                                          | EKMR351VSN681MA35S |             | 270         | 35 × 25               | 1.26                                          | EKMR421VSN271MA25S |
|             | 820         | 30 × 50               | 2.36                                          | EKMR351VSN821MR50S |             | 330         | 25.4 × 45             | 1.49                                          | EKMR421VSN331MQ45S |
|             | 820         | 35 × 40               | 2.23                                          | EKMR351VSN821MA40S |             | 330         | 30 × 35               | 1.45                                          | EKMR421VSN331MR35S |
|             | 1,000       | 35 × 45               | 2.54                                          | EKMR351VSN102MA45S |             | 390         | 25.4 × 50             | 1.66                                          | EKMR421VSN391MQ50S |
|             | 1,200       | 35 × 50               | 2.86                                          | EKMR351VSN122MA50S |             | 390         | 30 × 40               | 1.63                                          | EKMR421VSN391MR40S |
| 400         | 120         | 22 × 25               | 0.75                                          | EKMR401VSN121MP25S | 420         | 390         | 35 × 30               | 1.58                                          | EKMR421VSN391MA30S |
|             | 180         | 22 × 30               | 0.96                                          | EKMR401VSN181MP30S |             | 470         | 30 × 45               | 1.85                                          | EKMR421VSN471MR45S |
|             | 180         | 25.4 × 25             | 0.94                                          | EKMR401VSN181MQ25S |             | 470         | 35 × 35               | 1.77                                          | EKMR421VSN471MA35S |
|             | 220         | 22 × 35               | 1.09                                          | EKMR401VSN221MP35S |             | 560         | 30 × 50               | 2.07                                          | EKMR421VSN561MR50S |
|             | 220         | 25.4 × 30             | 1.07                                          | EKMR401VSN221MQ30S |             | 560         | 35 × 40               | 2.02                                          | EKMR421VSN561MA40S |
|             | 270         | 22 × 40               | 1.24                                          | EKMR401VSN271MP40S |             | 680         | 35 × 45               | 2.29                                          | EKMR421VSN681MA45S |
|             | 270         | 22 × 45               | 1.26                                          | EKMR401VSN271MP45S |             | 820         | 35 × 50               | 2.59                                          | EKMR421VSN821MA50S |
|             | 270         | 25.4 × 35             | 1.23                                          | EKMR401VSN271MQ35S | 450         | 100         | 22 × 25               | 0.71                                          | EKMR451VSN101MP25S |
|             | 270         | 30 × 25               | 1.16                                          | EKMR401VSN271MR25S |             | 120         | 22 × 30               | 0.82                                          | EKMR451VSN121MP30S |
|             | 330         | 22 × 50               | 1.44                                          | EKMR401VSN331MP50S |             | 150         | 22 × 35               | 0.94                                          | EKMR451VSN151MP35S |
|             | 330         | 25.4 × 40             | 1.40                                          | EKMR401VSN331MQ40S |             | 150         | 25.4 × 25             | 0.89                                          | EKMR451VSN151MQ25S |
|             | 330         | 30 × 30               | 1.31                                          | EKMR401VSN331MR30S |             | 180         | 22 × 40               | 1.05                                          | EKMR451VSN181MP40S |
|             | 330         | 35 × 25               | 1.27                                          | EKMR401VSN331MA25S |             | 180         | 25.4 × 30             | 1.00                                          | EKMR451VSN181MQ30S |
|             | 390         | 25.4 × 45             | 1.55                                          | EKMR401VSN391MP45S |             | 220         | 22 × 45               | 1.19                                          | EKMR451VSN221MP45S |
|             | 390         | 30 × 35               | 1.49                                          | EKMR401VSN391MR35S |             | 220         | 25.4 × 35             | 1.16                                          | EKMR451VSN221MQ35S |
|             | 470         | 25.4 × 50             | 1.74                                          | EKMR401VSN471MQ50S |             | 220         | 30 × 25               | 1.11                                          | EKMR451VSN221MR25S |
|             | 470         | 30 × 40               | 1.69                                          | EKMR401VSN471MR40S |             | 270         | 22 × 50               | 1.36                                          | EKMR451VSN271MP50S |
|             | 470         | 35 × 30               | 1.58                                          | EKMR401VSN471MA30S |             | 270         | 25.4 × 40             | 1.32                                          | EKMR451VSN271MQ40S |
|             | 560         | 30 × 45               | 1.91                                          | EKMR401VSN561MR45S |             | 270         | 25.4 × 45             | 1.35                                          | EKMR451VSN271MQ45S |
|             | 560         | 35 × 35               | 1.76                                          | EKMR401VSN561MA35S |             | 270         | 30 × 30               | 1.26                                          | EKMR451VSN271MR30S |
|             | 680         | 30 × 50               | 2.15                                          | EKMR401VSN681MR50S |             | 270         | 35 × 25               | 1.26                                          | EKMR451VSN271MA25S |
|             | 680         | 35 × 40               | 2.03                                          | EKMR401VSN681MA40S |             | 330         | 25.4 × 50             | 1.52                                          | EKMR451VSN331MQ50S |
|             | 820         | 35 × 45               | 2.30                                          | EKMR401VSN821MA45S |             | 330         | 30 × 35               | 1.45                                          | EKMR451VSN331MR35S |
|             | 820         | 35 × 50               | 2.37                                          | EKMR401VSN821MA50S |             | 330         | 35 × 30               | 1.45                                          | EKMR451VSN331MA30S |
| 420         | 120         | 22 × 25               | 0.78                                          | EKMR421VSN121MP25S |             | 390         | 30 × 40               | 1.63                                          | EKMR451VSN391MR40S |
|             | 150         | 22 × 30               | 0.91                                          | EKMR421VSN151MP30S |             | 470         | 30 × 45               | 1.85                                          | EKMR451VSN471MR45S |
|             | 150         | 25.4 × 25             | 0.89                                          | EKMR421VSN151MQ25S |             | 470         | 30 × 50               | 1.90                                          | EKMR451VSN471MR50S |
|             | 180         | 22 × 35               | 1.03                                          | EKMR421VSN181MP35S |             | 470         | 35 × 35               | 1.77                                          | EKMR451VSN471MA35S |
|             | 180         | 25.4 × 30             | 1.00                                          | EKMR421VSN181MQ30S |             | 560         | 35 × 40               | 2.02                                          | EKMR451VSN561MA40S |
|             | 220         | 22 × 40               | 1.16                                          | EKMR421VSN221MP40S |             | 560         | 35 × 45               | 2.08                                          | EKMR451VSN561MA45S |
|             | 220         | 22 × 45               | 1.19                                          | EKMR421VSN221MP45S |             | 680         | 35 × 50               | 2.36                                          | EKMR451VSN681MA50S |

## ◆RATED RIPPLE CURRENT MULTIPLIERS

## ●Frequency Multipliers

| Frequency(Hz)             | 50   | 120  | 300  | 1k   | 10k  | 50k  |
|---------------------------|------|------|------|------|------|------|
| 160 to 250V <sub>dc</sub> | 0.81 | 1.00 | 1.17 | 1.32 | 1.45 | 1.50 |
| 315 to 450V <sub>dc</sub> | 0.77 | 1.00 | 1.16 | 1.30 | 1.41 | 1.43 |

The ripple current gives aluminum electrolytic capacitors higher internal heat, the increased temperature accelerate the deterioration of the capacitors.

The lifetime is approximately halved with every 5°C rise.



**Стандарт  
Электрон  
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

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