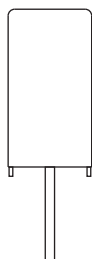
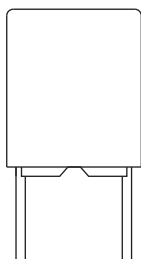




## AC and Pulse Metallized Polypropylene Film Capacitors MKP Radial Potted Type



### FEATURES

- 5 mm pitch
- Material categorization:  
for definitions of compliance please see  
[www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)

### APPLICATIONS

Low losses due to low contact resistance and low loss dielectric make these products suitable for applications where high currents at high frequency occur or high stability is preferred.



**RoHS**  
COMPLIANT  
HALOGEN  
**FREE**  
**GREEN**  
(5-2008)

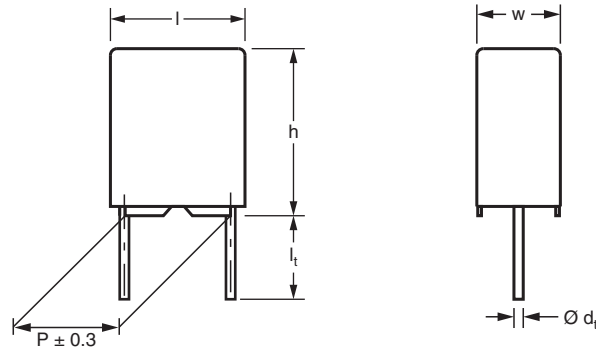
| QUICK REFERENCE DATA            |                                                                                                                                                                                         |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Capacitance range (E24 series)  | 0.0022 $\mu$ F to 0.1 $\mu$ F                                                                                                                                                           |
| Capacitance tolerance           | $\pm 10\%$ , $\pm 5\%$                                                                                                                                                                  |
| Climatic category               | 55/085/56                                                                                                                                                                               |
| Maximum application temperature | 85 °C                                                                                                                                                                                   |
| Reference specifications        | IEC 60384-17                                                                                                                                                                            |
| Dielectric                      | Polypropylene film                                                                                                                                                                      |
| Electrodes                      | Metallized film                                                                                                                                                                         |
| Construction                    | Wound mono construction                                                                                                                                                                 |
| Encapsulation                   | Flame retardant plastic case and epoxy resin<br>UL-class 94 V-0                                                                                                                         |
| Leads                           | Tinned wire                                                                                                                                                                             |
| Marking                         | C-value; tolerance; rated voltage; manufacturer's type designation;<br>code for dielectric material; manufacturer's emblem; code for factory of origin;<br>year and week of manufacture |
| Rated DC voltage                | 100 V <sub>DC</sub> ; 160 V <sub>DC</sub> ; 250 V <sub>DC</sub> ; 400 V <sub>DC</sub> ; 630 V <sub>DC</sub>                                                                             |
| Rated AC voltage                | 63 V <sub>AC</sub> ; 100 V <sub>AC</sub> ; 160 V <sub>AC</sub> ; 200 V <sub>AC</sub>                                                                                                    |
| Rated peak-to-peak voltage      | 180 V; 280 V; 450 V; 560 V                                                                                                                                                              |
| Rated temperature               | 85 °C                                                                                                                                                                                   |
| Performance grade               | Grade 1 (long life)                                                                                                                                                                     |
| Stability grade                 | Grade 2                                                                                                                                                                                 |

#### Note

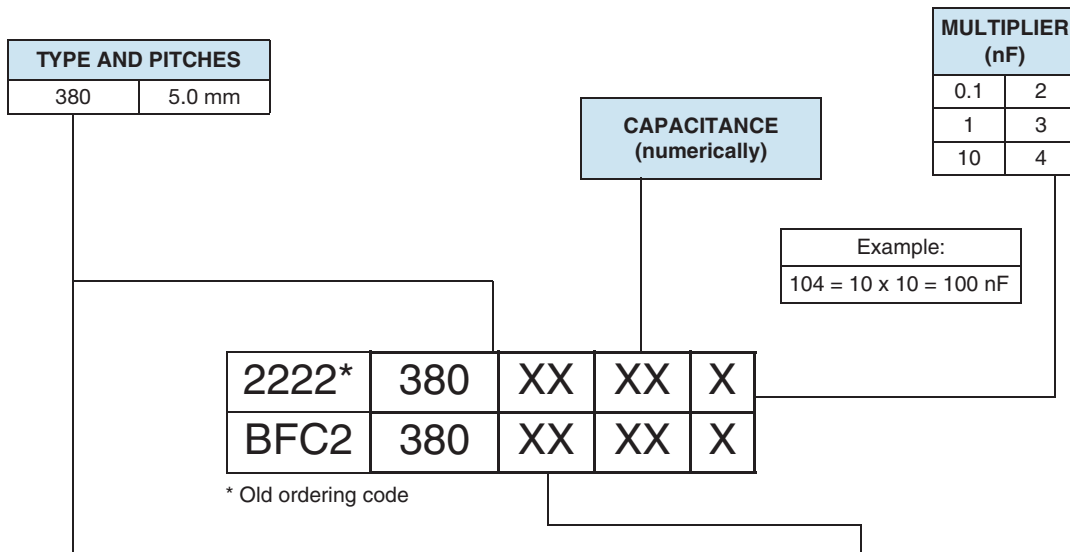
- For more detailed data and test requirements contact: [dc-film@vishay.com](mailto:dc-film@vishay.com)



**DIMENSIONS** in millimeters



**COMPOSITION OF CATALOG NUMBER**



| TYPE | PACKAGING    | LEAD CONFIGURATION                        | PREFERRED TYPES |       |       |       |       |       |
|------|--------------|-------------------------------------------|-----------------|-------|-------|-------|-------|-------|
|      |              |                                           | C-TOL.          | 100 V | 160 V | 250 V | 400 V | 630 V |
| 380  | Ammopack     | H = 18.5 mm; P <sub>0</sub> = 12.7 mm     | ± 10 %          | 25    | 35    | 45    | 55    | 65    |
| TYPE | PACKAGING    | LEAD CONFIGURATION                        | ON REQUEST      |       |       |       |       |       |
| 380  | Ammopack     | H = 18.5 mm; P <sub>0</sub> = 12.7 mm     | ± 5 %           | 26    | 36    | 46    | 56    | 66    |
|      | Loose in box | Lead length<br>4.0 mm + 1.0 mm / - 0.5 mm | ± 10 %          | 21    | 31    | 41    | 51    | 61    |
|      |              |                                           | ± 5 %           | 22    | 32    | 42    | 52    | 62    |



| SPECIFIC REFERENCE DATA - 100 V <sub>DC</sub>                                         |                              |                          |
|---------------------------------------------------------------------------------------|------------------------------|--------------------------|
| DESCRIPTION                                                                           | VALUE                        |                          |
| Tangent of loss angle:                                                                | at 10 kHz                    | at 100 kHz               |
| 0.018 $\mu\text{F} \leq C \leq 0.027 \mu\text{F}$                                     | $\leq 10 \times 10^{-4}$     | $\leq 15 \times 10^{-4}$ |
| 0.027 $\mu\text{F} < C \leq 0.075 \mu\text{F}$                                        | $\leq 10 \times 10^{-4}$     | $\leq 20 \times 10^{-4}$ |
| 0.075 $\mu\text{F} < C \leq 0.1 \mu\text{F}$                                          | $\leq 10 \times 10^{-4}$     | $\leq 25 \times 10^{-4}$ |
| Rated voltage pulse slope (dU/dt) <sub>R</sub> at 100 V (DC)                          | 80 V/ $\mu\text{s}$          |                          |
| R between leads for $C \leq 1.0 \mu\text{F}$ at 100 V; 1 min                          | $> 100\,000 \text{ M}\Omega$ |                          |
| R between interconnected leads and case; 100 V; 1 min                                 | $> 100\,000 \text{ M}\Omega$ |                          |
| Withstanding (DC) voltage (cut off current 10 mA) <sup>(1)</sup> ; rise time 1000 V/s | 160 V; 1 min                 |                          |
| Withstanding (DC) voltage between leads and case                                      | 2840 V; 1 min                |                          |

**Note**

<sup>(1)</sup> See "Voltage Proof Test for Metalized Film Capacitors": [www.vishay.com/doc?28169](http://www.vishay.com/doc?28169)

| ELECTRICAL DATA AND ORDERING CODE |                                                                                                                |                                 |                            |                                             |      |                                                |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------|---------------------------------------------|------|------------------------------------------------|
| U <sub>RDC</sub><br>(V)           | CAP.<br>(μF)                                                                                                   | DIMENSIONS<br>w x h x l<br>(mm) | MASS <sup>(2)</sup><br>(g) | CATALOG NUMBER BFC2 380 ..... AND PACKAGING |      |                                                |
|                                   |                                                                                                                |                                 |                            | AMMOPACK <sup>(1)</sup>                     |      | LOOSE IN BOX                                   |
|                                   |                                                                                                                |                                 |                            | H = 18.5 mm, P <sub>0</sub> = 12.7 mm       |      | I <sub>t</sub> = 4.0 mm<br>+ 1.0 mm / - 0.5 mm |
|                                   |                                                                                                                |                                 |                            | C-TOL. = ± 10 %                             | SPQ  | SPQ                                            |
|                                   |                                                                                                                |                                 |                            | LAST 5 DIGITS OF<br>CATALOG NUMBER          |      |                                                |
| 100                               | PITCH = 5.0 mm ± 0.3 mm; d <sub>t</sub> = 0.50 mm ± 0.05 mm; U <sub>RAC</sub> = 63 V; U <sub>p-p</sub> = 180 V |                                 |                            |                                             |      |                                                |
|                                   | 0.018                                                                                                          | 3.5 x 8.0 x 7.2                 | 0.30                       | 25183                                       | 1500 | 2000                                           |
|                                   | 0.020                                                                                                          |                                 |                            | 25203                                       |      |                                                |
|                                   | 0.022                                                                                                          |                                 |                            | 25223                                       |      |                                                |
|                                   | 0.024                                                                                                          |                                 |                            | 25243                                       |      |                                                |
|                                   | 0.027                                                                                                          |                                 |                            | 25273                                       |      |                                                |
|                                   | 0.030                                                                                                          |                                 |                            | 25303                                       |      |                                                |
|                                   | 0.033                                                                                                          |                                 |                            | 25333                                       |      |                                                |
|                                   | 0.036                                                                                                          |                                 |                            | 25363                                       | 1000 |                                                |
|                                   | 0.039                                                                                                          | 25393                           |                            |                                             |      |                                                |
|                                   | 0.043                                                                                                          | 25433                           |                            |                                             |      |                                                |
|                                   | 0.047                                                                                                          | 25473                           |                            |                                             |      |                                                |
|                                   | 0.051                                                                                                          | 25513                           | 750                        |                                             |      |                                                |
|                                   | 0.056                                                                                                          | 25563                           |                            |                                             |      |                                                |
|                                   | 0.062                                                                                                          | 25623                           |                            |                                             |      |                                                |
|                                   | 0.068                                                                                                          | 25683                           |                            |                                             |      |                                                |
|                                   | 0.075                                                                                                          | 25753                           |                            |                                             |      |                                                |
|                                   | 0.082                                                                                                          | 25823                           |                            |                                             |      |                                                |
|                                   | 0.091                                                                                                          | 25913                           |                            |                                             |      |                                                |
|                                   | 0.100                                                                                                          | 25104                           |                            |                                             |      |                                                |

**Notes**

- <sup>(1)</sup> H = in-tape height; P<sub>0</sub> = sprocket hole distance; for detailed specifications refer to packaging information  
<sup>(2)</sup> Weight for short lead product only  
• SPQ = Standard Packing Quantity



| SPECIFIC REFERENCE DATA - 160 V <sub>DC</sub>                                         |                              |                          |
|---------------------------------------------------------------------------------------|------------------------------|--------------------------|
| DESCRIPTION                                                                           | VALUE                        |                          |
| Tangent of loss angle:                                                                | at 10 kHz                    | at 100 kHz               |
| 0.013 $\mu\text{F} \leq C \leq 0.027 \mu\text{F}$                                     | $\leq 10 \times 10^{-4}$     | $\leq 15 \times 10^{-4}$ |
| 0.027 $\mu\text{F} < C \leq 0.068 \mu\text{F}$                                        | $\leq 10 \times 10^{-4}$     | $\leq 20 \times 10^{-4}$ |
| Rated voltage pulse slope (dU/dt) <sub>R</sub> at 160 V (DC)                          | 80 V/ $\mu\text{s}$          |                          |
| R between leads for $C \leq 1.0 \mu\text{F}$ at 100 V; 1 min                          | $> 100\,000 \text{ M}\Omega$ |                          |
| R between interconnected leads and case; 100 V; 1 min                                 | $> 100\,000 \text{ M}\Omega$ |                          |
| Withstanding (DC) voltage (cut off current 10 mA) <sup>(1)</sup> ; rise time 1000 V/s | 256 V; 1 min                 |                          |
| Withstanding (DC) voltage between leads and case                                      | 2840 V; 1 min                |                          |

**Note**

<sup>(1)</sup> See "Voltage Proof Test for Metalized Film Capacitors": [www.vishay.com/doc?28169](http://www.vishay.com/doc?28169)

| ELECTRICAL DATA AND ORDERING CODE |                                                                                                                 |                                 |                            |                                             |      |                                                |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------|---------------------------------------------|------|------------------------------------------------|
| U <sub>RDC</sub><br>(V)           | CAP.<br>(μF)                                                                                                    | DIMENSIONS<br>w x h x l<br>(mm) | MASS <sup>(2)</sup><br>(g) | CATALOG NUMBER BFC2 380 ..... AND PACKAGING |      |                                                |
|                                   |                                                                                                                 |                                 |                            | AMMOPACK <sup>(1)</sup>                     |      | LOOSE IN BOX                                   |
|                                   |                                                                                                                 |                                 |                            | H = 18.5 mm, P <sub>0</sub> = 12.7 mm       |      | I <sub>t</sub> = 4.0 mm<br>+ 1.0 mm / - 0.5 mm |
|                                   |                                                                                                                 |                                 |                            | C-TOL. = ± 10 %                             | SPQ  | SPQ                                            |
|                                   |                                                                                                                 |                                 |                            | LAST 5 DIGITS OF<br>CATALOG NUMBER          |      |                                                |
| 160                               | PITCH = 5.0 mm ± 0.3 mm; d <sub>t</sub> = 0.50 mm ± 0.05 mm; U <sub>RAC</sub> = 100 V; U <sub>p-p</sub> = 280 V |                                 |                            |                                             |      |                                                |
|                                   | 0.013                                                                                                           | 3.5 x 8.0 x 7.2                 | 0.30                       | 35133                                       | 1500 | 2000                                           |
|                                   | 0.015                                                                                                           |                                 |                            | 35153                                       |      |                                                |
|                                   | 0.016                                                                                                           |                                 |                            | 35163                                       |      |                                                |
|                                   | 0.018                                                                                                           |                                 |                            | 35183                                       |      |                                                |
|                                   | 0.020                                                                                                           |                                 |                            | 35203                                       |      |                                                |
|                                   | 0.022                                                                                                           |                                 |                            | 35223                                       |      |                                                |
|                                   | 0.024                                                                                                           |                                 |                            | 35243                                       | 1000 |                                                |
|                                   | 0.027                                                                                                           |                                 |                            | 35273                                       |      |                                                |
|                                   | 0.030                                                                                                           |                                 |                            | 35303                                       |      |                                                |
|                                   | 0.033                                                                                                           |                                 |                            | 35333                                       |      |                                                |
|                                   | 0.036                                                                                                           |                                 |                            | 35363                                       | 750  |                                                |
|                                   | 0.039                                                                                                           |                                 |                            | 35393                                       |      |                                                |
|                                   | 0.043                                                                                                           | 35433                           |                            |                                             |      |                                                |
|                                   | 0.047                                                                                                           | 35473                           |                            |                                             |      |                                                |
|                                   | 0.051                                                                                                           | 4.5 x 9.0 x 7.2                 | 0.42                       | 35513                                       | 750  | 2000                                           |
|                                   | 0.056                                                                                                           |                                 |                            | 35563                                       |      |                                                |
|                                   | 0.062                                                                                                           |                                 |                            | 35623                                       |      |                                                |
|                                   | 0.068                                                                                                           |                                 |                            | 35683                                       |      |                                                |

**Notes**

<sup>(1)</sup> H = in-tape height; P<sub>0</sub> = sprocket hole distance; for detailed specifications refer to packaging information

<sup>(2)</sup> Weight for short lead product only

- SPQ = Standard Packing Quantity



| SPECIFIC REFERENCE DATA - 250 V <sub>DC</sub>                                        |                          |                          |
|--------------------------------------------------------------------------------------|--------------------------|--------------------------|
| DESCRIPTION                                                                          | VALUE                    |                          |
| Tangent of loss angle:                                                               | at 10 kHz                | at 100 kHz               |
| $0.0091 \mu\text{F} \leq C \leq 0.027 \mu\text{F}$                                   | $\leq 10 \times 10^{-4}$ | $\leq 15 \times 10^{-4}$ |
| $0.027 \mu\text{F} < C \leq 0.043 \mu\text{F}$                                       | $\leq 10 \times 10^{-4}$ | $\leq 20 \times 10^{-4}$ |
| Rated voltage pulse slope (dU/dt) <sub>R</sub> at 250 V (DC)                         | 90 V/μs                  |                          |
| R between leads for $C \leq 1.0 \mu\text{F}$ at 100 V; 1 min                         | > 100 000 MΩ             |                          |
| R between interconnected leads and case; 100 V; 1 min                                | > 100 000 MΩ             |                          |
| Withstanding (DC) voltage (cut off current 10 mA) <sup>(1)</sup> ; rise time 100 V/s | 400 V; 1 min             |                          |
| Withstanding (DC) voltage between leads and case                                     | 2840 V; 1 min            |                          |

**Note**

<sup>(1)</sup> See "Voltage Proof Test for Metalized Film Capacitors": [www.vishay.com/doc?28169](http://www.vishay.com/doc?28169)

| ELECTRICAL DATA AND ORDERING CODE |                                                                                                                 |                                 |                            |                                             |      |                                                |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------|---------------------------------------------|------|------------------------------------------------|
| U <sub>RDC</sub><br>(V)           | CAP.<br>(μF)                                                                                                    | DIMENSIONS<br>w x h x l<br>(mm) | MASS <sup>(2)</sup><br>(g) | CATALOG NUMBER BFC2 380 ..... AND PACKAGING |      |                                                |
|                                   |                                                                                                                 |                                 |                            | AMMOPACK <sup>(1)</sup>                     |      | LOOSE IN BOX                                   |
|                                   |                                                                                                                 |                                 |                            | H = 18.5 mm, P <sub>0</sub> = 12.7 mm       |      | I <sub>t</sub> = 4.0 mm<br>+ 1.0 mm / - 0.5 mm |
|                                   |                                                                                                                 |                                 |                            | C-TOL. = ± 10 %                             | SPQ  | SPQ                                            |
|                                   |                                                                                                                 |                                 |                            | LAST 5 DIGITS OF<br>CATALOG NUMBER          |      |                                                |
| 250                               | PITCH = 5.0 mm ± 0.3 mm; d <sub>t</sub> = 0.50 mm ± 0.05 mm; U <sub>RAC</sub> = 160 V; U <sub>p-p</sub> = 450 V |                                 |                            |                                             |      |                                                |
|                                   | 0.0091                                                                                                          | 3.5 x 8.0 x 7.2                 | 0.30                       | 45912                                       | 1500 | 2000                                           |
|                                   | 0.010                                                                                                           |                                 |                            | 45103                                       |      |                                                |
|                                   | 0.011                                                                                                           |                                 |                            | 45113                                       |      |                                                |
|                                   | 0.012                                                                                                           |                                 |                            | 45123                                       |      |                                                |
|                                   | 0.013                                                                                                           |                                 |                            | 45133                                       |      |                                                |
|                                   | 0.015                                                                                                           |                                 |                            | 45153                                       |      |                                                |
|                                   | 0.016                                                                                                           | 3.5 x 8.0 x 7.2                 | 0.30                       | 45163                                       | 1000 | 2000                                           |
|                                   | 0.018                                                                                                           |                                 |                            | 45183                                       |      |                                                |
|                                   | 0.020                                                                                                           |                                 |                            | 45203                                       |      |                                                |
|                                   | 0.022                                                                                                           |                                 |                            | 45223                                       |      |                                                |
|                                   | 0.024                                                                                                           |                                 |                            | 45243                                       |      |                                                |
|                                   | 0.027                                                                                                           | 3.5 x 8.0 x 7.2                 | 0.30                       | 45273                                       | 750  | 2000                                           |
|                                   | 0.030                                                                                                           |                                 |                            | 45303                                       |      |                                                |
|                                   | 0.033                                                                                                           |                                 |                            | 45333                                       |      |                                                |
|                                   | 0.036                                                                                                           |                                 |                            | 45363                                       |      |                                                |
|                                   | 0.039                                                                                                           |                                 |                            | 45393                                       |      |                                                |
|                                   | 0.043                                                                                                           | 4.5 x 9.0 x 7.2                 | 0.42                       | 45433                                       | 750  | 2000                                           |

**Notes**

<sup>(1)</sup> H = in-tape height; P<sub>0</sub> = sprocket hole distance; for detailed specifications refer to packaging information

<sup>(2)</sup> Weight for short lead product only

- SPQ = Standard Packing Quantity



| SPECIFIC REFERENCE DATA - 400 V <sub>DC</sub>                                        |                          |                          |
|--------------------------------------------------------------------------------------|--------------------------|--------------------------|
| DESCRIPTION                                                                          | VALUE                    |                          |
| Tangent of loss angle:                                                               | at 10 kHz                | at 100 kHz               |
| $0.0043 \mu\text{F} \leq C \leq 0.0091 \mu\text{F}$                                  | $\leq 10 \times 10^{-4}$ | $\leq 15 \times 10^{-4}$ |
| $0.0091 \mu\text{F} < C \leq 0.02 \mu\text{F}$                                       | $\leq 10 \times 10^{-4}$ | $\leq 20 \times 10^{-4}$ |
| Rated voltage pulse slope (dU/dt) <sub>R</sub> at 400 V (DC)                         | 100 V/ $\mu\text{s}$     |                          |
| R between leads for $C \leq 1.0 \mu\text{F}$ at 100 V; 1 min                         | > 100 000 M $\Omega$     |                          |
| R between interconnected leads and case; 100 V; 1 min                                | > 100 000 M $\Omega$     |                          |
| Withstanding (DC) voltage (cut off current 10 mA) <sup>(1)</sup> ; rise time 100 V/s | 640 V; 1 min             |                          |
| Withstanding (DC) voltage between leads and case                                     | 2840 V; 1 min            |                          |

**Note**

<sup>(1)</sup> See "Voltage Proof Test for Metalized Film Capacitors": [www.vishay.com/doc?28169](http://www.vishay.com/doc?28169)

| ELECTRICAL DATA AND ORDERING CODE |                                                                                                                 |                                 |                            |                                             |      |                                                |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------|---------------------------------------------|------|------------------------------------------------|
| U <sub>RDC</sub><br>(V)           | CAP.<br>(μF)                                                                                                    | DIMENSIONS<br>w x h x l<br>(mm) | MASS <sup>(2)</sup><br>(g) | CATALOG NUMBER BFC2 380 ..... AND PACKAGING |      |                                                |
|                                   |                                                                                                                 |                                 |                            | AMMOPACK <sup>(1)</sup>                     |      | LOOSE IN BOX                                   |
|                                   |                                                                                                                 |                                 |                            | H = 18.5 mm, P <sub>0</sub> = 12.7 mm       |      | I <sub>t</sub> = 4.0 mm<br>+ 1.0 mm / - 0.5 mm |
|                                   |                                                                                                                 |                                 |                            | C-TOL. = ± 10 %                             | SPQ  | SPQ                                            |
|                                   |                                                                                                                 |                                 |                            | LAST 5 DIGITS OF<br>CATALOG NUMBER          |      |                                                |
| 400                               | PITCH = 5.0 mm ± 0.3 mm; d <sub>t</sub> = 0.50 mm ± 0.05 mm; U <sub>RAC</sub> = 200 V; U <sub>p-p</sub> = 560 V |                                 |                            |                                             |      |                                                |
|                                   | 0.0043                                                                                                          | 3.5 x 8.0 x 7.2                 | 0.30                       | 55432                                       | 1500 | 2000                                           |
|                                   | 0.0047                                                                                                          |                                 |                            | 55472                                       |      |                                                |
|                                   | 0.0051                                                                                                          |                                 |                            | 55512                                       |      |                                                |
|                                   | 0.0056                                                                                                          |                                 |                            | 55562                                       |      |                                                |
|                                   | 0.0062                                                                                                          |                                 |                            | 55622                                       |      |                                                |
|                                   | 0.0068                                                                                                          |                                 |                            | 55682                                       |      |                                                |
|                                   | 0.0075                                                                                                          |                                 |                            | 55752                                       |      |                                                |
|                                   | 0.0082                                                                                                          |                                 |                            | 55822                                       |      |                                                |
|                                   | 0.0091                                                                                                          | 4.5 x 9.0 x 7.2                 | 0.42                       | 55912                                       | 1000 |                                                |
|                                   | 0.010                                                                                                           |                                 |                            | 55103                                       |      |                                                |
|                                   | 0.011                                                                                                           |                                 |                            | 55113                                       |      |                                                |
|                                   | 0.012                                                                                                           |                                 |                            | 55123                                       |      |                                                |
|                                   | 0.013                                                                                                           | 6.0 x 11.0 x 7.2                | 0.64                       | 55133                                       | 750  |                                                |
|                                   | 0.015                                                                                                           |                                 |                            | 55153                                       |      |                                                |
|                                   | 0.016                                                                                                           |                                 |                            | 55163                                       |      |                                                |
|                                   | 0.018                                                                                                           |                                 |                            | 55183                                       |      |                                                |
|                                   | 0.020                                                                                                           |                                 |                            | 55203                                       |      |                                                |

**Notes**

<sup>(1)</sup> H = in-tape height; P<sub>0</sub> = sprocket hole distance; for detailed specifications refer to packaging information

<sup>(2)</sup> Weight for short lead product only

- SPQ = Standard Packing Quantity



| SPECIFIC REFERENCE DATA - 630 V <sub>DC</sub>                                         |                              |                          |
|---------------------------------------------------------------------------------------|------------------------------|--------------------------|
| DESCRIPTION                                                                           | VALUE                        |                          |
| Tangent of loss angle:                                                                | at 10 kHz                    | at 100 kHz               |
| 0.0015 $\mu\text{F} \leq C \leq 0.0091 \mu\text{F}$                                   | $\leq 10 \times 10^{-4}$     | $\leq 15 \times 10^{-4}$ |
| 0.0091 $\mu\text{F} < C \leq 0.01 \mu\text{F}$                                        | $\leq 10 \times 10^{-4}$     | $\leq 15 \times 10^{-4}$ |
| Rated voltage pulse slope (dU/dt) <sub>R</sub> at 630 V (DC)                          | 120 V/ $\mu\text{s}$         |                          |
| R between leads for $C \leq 1.0 \mu\text{F}$ at 500 V; 1 min                          | $> 100\,000 \text{ M}\Omega$ |                          |
| R between interconnected leads and case; 500 V; 1 min                                 | $> 100\,000 \text{ M}\Omega$ |                          |
| Withstanding (DC) voltage (cut off current 10 mA) <sup>(1)</sup> ; rise time 1000 V/s | 880 V; 1 min                 |                          |
| Withstanding (DC) voltage between leads and case                                      | 2840 V; 1 min                |                          |

**Note**

<sup>(1)</sup> See "Voltage Proof Test for Metalized Film Capacitors": [www.vishay.com/doc?28169](http://www.vishay.com/doc?28169)

| ELECTRICAL DATA AND ORDERING CODE |                                                                                                           |                                 |                            |                                             |      |                                                |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------|---------------------------------------------|------|------------------------------------------------|
| U <sub>RDC</sub><br>(V)           | CAP.<br>(μF)                                                                                              | DIMENSIONS<br>w x h x l<br>(mm) | MASS <sup>(2)</sup><br>(g) | CATALOG NUMBER BFC2 380 ..... AND PACKAGING |      |                                                |
|                                   |                                                                                                           |                                 |                            | AMMOPACK <sup>(1)</sup>                     |      | LOOSE IN BOX                                   |
|                                   |                                                                                                           |                                 |                            | H = 18.5 mm, P <sub>0</sub> = 12.7 mm       |      | I <sub>t</sub> = 4.0 mm<br>+ 1.0 mm / - 0.5 mm |
|                                   |                                                                                                           |                                 |                            | C-TOL. = ± 10 %                             | SPQ  | SPQ                                            |
|                                   |                                                                                                           |                                 |                            | LAST 5 DIGITS OF<br>CATALOG NUMBER          |      |                                                |
| 630                               | PITCH = 5.0 ± 0.3 mm; d <sub>t</sub> = 0.50 ± 0.05 mm; U <sub>RAC</sub> = 200 V; U <sub>p-p</sub> = 560 V |                                 |                            |                                             |      |                                                |
|                                   | 0.0022                                                                                                    | 3.5 x 8.0 x 7.2                 | 0.30                       | 65222                                       | 1500 | 2000                                           |
|                                   | 0.0024                                                                                                    |                                 |                            | 65242                                       |      |                                                |
|                                   | 0.0027                                                                                                    |                                 |                            | 65272                                       |      |                                                |
|                                   | 0.0030                                                                                                    |                                 |                            | 65302                                       |      |                                                |
|                                   | 0.0033                                                                                                    |                                 |                            | 65332                                       |      |                                                |
|                                   | 0.0036                                                                                                    |                                 |                            | 65362                                       |      |                                                |
|                                   | 0.0039                                                                                                    |                                 |                            | 65392                                       |      |                                                |
|                                   | 0.0043                                                                                                    | 4.5 x 9.0 x 7.2                 | 0.42                       | 65432                                       | 1000 |                                                |
|                                   | 0.0047                                                                                                    |                                 |                            | 65472                                       |      |                                                |
|                                   | 0.0051                                                                                                    |                                 |                            | 65512                                       |      |                                                |
|                                   | 0.0056                                                                                                    |                                 |                            | 65562                                       |      |                                                |
|                                   | 0.0062                                                                                                    |                                 |                            | 65622                                       | 750  |                                                |
|                                   | 0.0068                                                                                                    |                                 |                            | 65682                                       |      |                                                |
|                                   | 0.0075                                                                                                    |                                 |                            | 65752                                       |      |                                                |
|                                   | 0.0082                                                                                                    | 65822                           |                            |                                             |      |                                                |
|                                   | 0.0091                                                                                                    | 65912                           |                            |                                             |      |                                                |
|                                   | 0.010                                                                                                     | 65103                           |                            |                                             |      |                                                |

**Notes**

<sup>(1)</sup> H = in-tape height; P<sub>0</sub> = sprocket hole distance; for detailed specifications refer to packaging information

<sup>(2)</sup> Weight for short lead product only

- SPQ = Standard Packing Quantity



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