

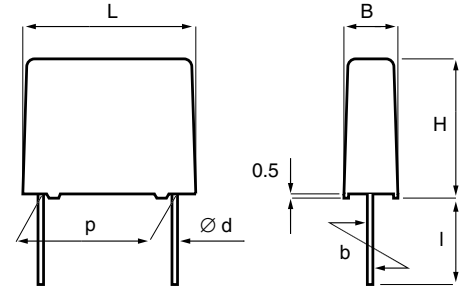
- Metallized polyphenylene sulfide
- Stable +150 °C high temperature capacitor

## TYPICAL APPLICATIONS

Automotive and other applications with high ambient temperatures. Applications requiring high stability and low losses. Offers excellent sound quality in audio applications.

## CONSTRUCTION

Polyphenylene sulphide film capacitor with vacuum-evaporated aluminum electrodes. Radial leads of tinned wire are electrically welded to the contact metal layer on the ends of the capacitor winding. Encapsulation in self-extinguishing material meeting the requirements of UL 94V-0.



## TECHNICAL DATA

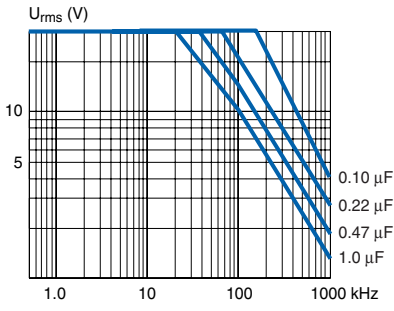
| Rated voltage $U_R$ , VDC       | 50  | 63                       | 100                                      | 250                  | 400            |
|---------------------------------|---|--------------------------|--|----------------------|----------------|
| Rated voltage $U_R$ , VAC       | 30  | 40                       | 63                                       | 160                  | 200            |
| Capacitance, $\mu\text{F}$      | 0.001<br>- 22   | 0.001<br>- 22            | 0.001<br>- 12                            | 0.001<br>- 3.9       | 0.001<br>- 1.8 |
| Capacitance tolerance           | $\pm 20\%$ , $\pm 10\%$ , $\pm 5\%$ , $\pm 2.5\%$   |                          |  |                      |                |
| Category temperature range      | -55 ... +150°C  |                          |  |                      |                |
| Rated temperature               | -55 ... +125 °C   |                          |  |                      |                |
| Voltage derating                | From +125°C, the voltage derating is 2%/°C.   |                          |  |                      |                |
| Climatic category               | IEC 60068-1, 55/150/56<br>DIN 40040, FKD  |                          |  |                      |                |
| Test voltage                    | 1.6 x $U_R$ for 2s.   |                          |  |                      |                |
| Reliability                     | Operational life > 200 000 h.<br>Failure rate < 3 FIT, T = +40°C, U = 0.5 x $U_R$ .<br>Failure criteria according to DIN 44122. |                          |  |                      |                |
| Capacitance drift               | Max. 0.3% after a 2 year storage period at a temperature of +10° ... +40°C and a relative humidity of 40 ... 60 %.              |                          |  |                      |                |
| Dissipation factor $\tan\delta$ | Maximum values at +23°C   |                          |  |                      |                |
|                                 |   | $C \leq 0.1\mu\text{F}$  | $0.1\mu\text{F} < C \leq 1.0\mu\text{F}$ | $C > 1.0\mu\text{F}$ |                |
| <b>SMR5</b>                     | 1 kHz   | 0.15 %                   | 0.15 %                                   | 0.15 %               |                |
|                                 | 10 kHz  | 0.25 %                   | 0.25 %                                   | 0.35 %               |                |
|                                 | 100 kHz   | 0.50 %                   | 0.60 %                                   |                      |                |
| <b>SMR7.5...27.5</b>            | 1 kHz   | 0.15 %                   | 0.15 %                                   | 0.15 %               |                |
|                                 | 10 kHz  | 0.25 %                   | 0.25 %                                   |                      |                |
|                                 | 100 kHz   | 0.60 %                   |  |                      |                |
| Insulation resistance           | Minimum values between terminals.<br>Measured at +20°C, according to IEC 60384-1  |                          |  |                      |                |
|                                 |   | $C \leq 0.33\mu\text{F}$ | $C > 0.33\mu\text{F}$                    |                      |                |
|                                 | $U_R \leq 100\text{ V}$   | 15 000 M $\Omega$        | 5 000 s                                  |                      |                |
|                                 | $U_R > 100\text{ V}$  | 30 000 M $\Omega$        | 10 000 s                                 |                      |                |

| p          | d   | std l           | max l | b     |
|------------|-----|-----------------|-------|-------|
| 5.0 ± 0.4  | 0.5 | 4 <sup>+1</sup> | 30    | ± 0.4 |
| 7.5 ± 0.4  | 0.6 | 4 <sup>+1</sup> | 30    | ± 0.4 |
| 10.0 ± 0.4 | 0.6 | 4 <sup>+1</sup> | 30    | ± 0.4 |
| 15.0 ± 0.4 | 0.8 | 4 <sup>+1</sup> | 30    | ± 0.4 |
| 22.5 ± 0.4 | 0.8 | 4 <sup>+1</sup> | 30    | ± 0.4 |
| 27.5 ± 0.4 | 0.8 | 4 <sup>+1</sup> | 30    | ± 0.4 |

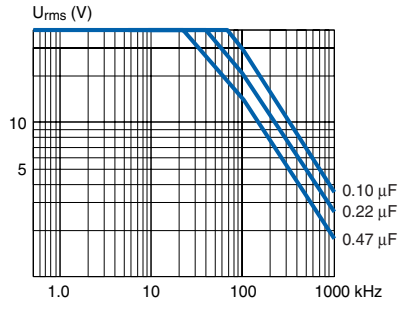
## ENVIRONMENTAL TEST DATA

|                       |                         |  |
|-----------------------|-------------------------|--|
| <b>Damp heat test</b> | <b>Test conditions:</b> | T = +40°C, RH = 93%, t = 56 days.  |
|                       | <b>Test criteria:</b>   | $\Delta C/C \leq \pm 3\%$ ,<br>$\Delta \tan\delta \leq 0.0025$ (1kHz)<br>IR after test 0.5 x IR min.   |
| <b>Endurance test</b> | <b>Test conditions:</b> | T = +125°C, U = 1.25 x (0.5 x $U_R$ ),<br>t = 2000 h.  |
|                       | <b>Test criteria:</b>   | $\Delta C/C \leq \pm 3\%$ ,<br>$\Delta \tan\delta \leq 0.002$ (1kHz), C > 1 $\mu\text{F}$<br>$\Delta \tan\delta \leq 0.003$ (10kHz), C $\leq$ 1 $\mu\text{F}$<br>IR after test 0.5 x IR min. |

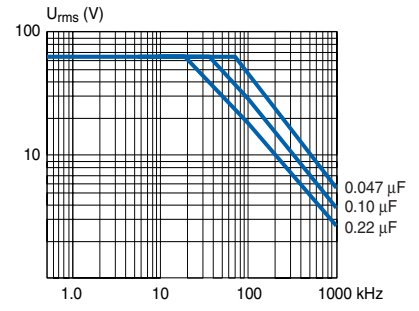
**DERATING OF  $U_{RMS}$  VS FREQUENCY, +100°C AMBIENT TEMPERATURE AND 20°C INTERNAL HEATING, TYPICAL VALUES**



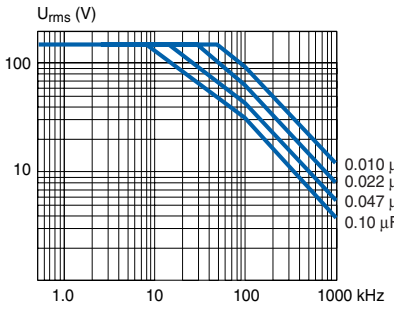
**SMR5 50/30**



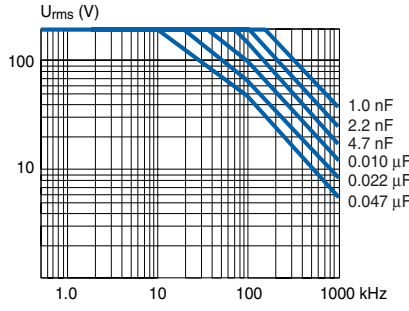
**SMR5 63/40**



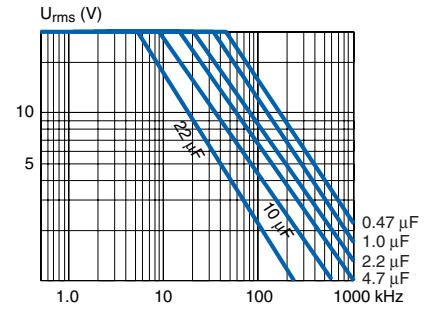
**SMR5 100/63**



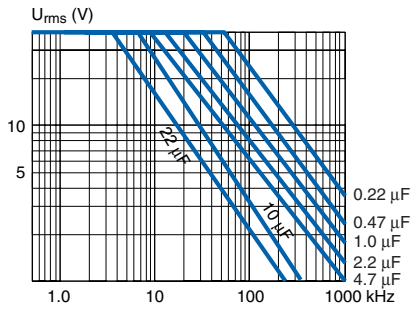
**SMR5 250/160**



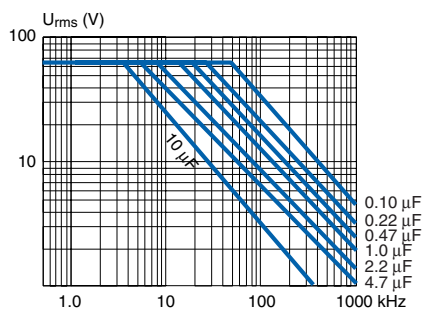
**SMR5 400/200**



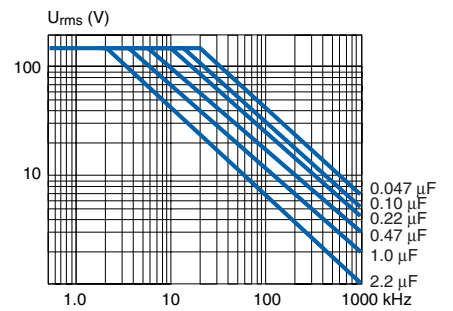
**SMR7.5 ... 27.5 50/30**



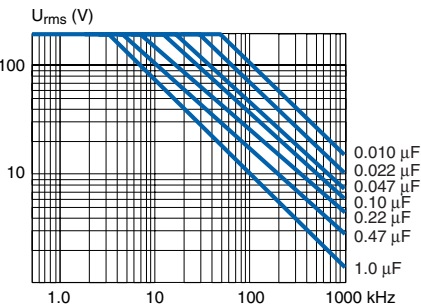
**SMR7.5 ... 27.5 63/40**



**SMR7.5 ... 27.5 100/63**



**SMR7.5 ... 27.5 250/160**



**SMR7.5 ... 27.5 400/200**

**ORDERING INFORMATION**

See article table and pages 10 to 14 for options and article code construction.

**MARKING**

- Capacitance
- Tolerance code
- Rated voltage
- Capacitor family code SMR
- Manufacturing date code



## ARTICLE TABLE

Capacitance Box Max dimensions in mm Max dU/dt  
 µF code B H L V/µs Article code

Capacitance Box Max dimensions in mm Max dU/dt  
 µF code B H L V/µs Article code

## 50 VDC/30 VAC

## 63 VDC/40 VAC

## LEAD SPACING 15 MM

## LEAD SPACING 7.5 MM

|     |     |     |      |      |   |                       |
|-----|-----|-----|------|------|---|-----------------------|
| 2.2 | B10 | 6.5 | 12.5 | 18.0 | 6 | SMR15 225K50B10L4BULK |
| 2.7 | B06 | 7.5 | 14.5 | 18.0 | 6 | SMR15 275K50B06L4BULK |
| 3.3 | B06 | 7.5 | 14.5 | 18.0 | 6 | SMR15 335K50B06L4BULK |
| 3.9 | B12 | 8.0 | 15.0 | 18.0 | 6 | SMR15 395K50B12L4BULK |
| 4.7 | B11 | 8.5 | 16.0 | 18.0 | 6 | SMR15 475K50B11L4BULK |
| 5.6 | B14 | 9.5 | 17.5 | 18.0 | 6 | SMR15 565K50B14L4BULK |

|        |     |     |      |      |    |                         |
|--------|-----|-----|------|------|----|-------------------------|
| 0.0010 | K01 | 4.0 | 8.0  | 10.0 | 30 | SMR7.5 102K63K01L4 BULK |
| 0.0012 | K01 | 4.0 | 8.0  | 10.0 | 30 | SMR7.5 122K63K01L4 BULK |
| 0.0015 | K01 | 4.0 | 8.0  | 10.0 | 30 | SMR7.5 152K63K01L4 BULK |
| 0.0018 | K01 | 4.0 | 8.0  | 10.0 | 30 | SMR7.5 182K63K01L4 BULK |
| 0.0022 | K01 | 4.0 | 8.0  | 10.0 | 30 | SMR7.5 222K63K01L4 BULK |
| 0.0027 | K01 | 4.0 | 8.0  | 10.0 | 30 | SMR7.5 272K63K01L4 BULK |
| 0.0033 | K01 | 4.0 | 8.0  | 10.0 | 30 | SMR7.5 332K63K01L4 BULK |
| 0.0039 | K01 | 4.0 | 8.0  | 10.0 | 30 | SMR7.5 392K63K01L4 BULK |
| 0.0047 | K01 | 4.0 | 8.0  | 10.0 | 30 | SMR7.5 472K63K01L4 BULK |
| 0.0056 | K01 | 4.0 | 8.0  | 10.0 | 30 | SMR7.5 562K63K01L4 BULK |
| 0.0068 | K01 | 4.0 | 8.0  | 10.0 | 30 | SMR7.5 682K63K01L4 BULK |
| 0.0082 | K01 | 4.0 | 8.0  | 10.0 | 30 | SMR7.5 822K63K01L4 BULK |
| 0.010  | K01 | 4.0 | 8.0  | 10.0 | 30 | SMR7.5 103K63K01L4 BULK |
| 0.012  | K01 | 4.0 | 8.0  | 10.0 | 30 | SMR7.5 123K63K01L4 BULK |
| 0.015  | K01 | 4.0 | 8.0  | 10.0 | 30 | SMR7.5 153K63K01L4 BULK |
| 0.018  | K01 | 4.0 | 8.0  | 10.0 | 30 | SMR7.5 183K63K01L4 BULK |
| 0.022  | K01 | 4.0 | 8.0  | 10.0 | 30 | SMR7.5 223K63K01L4 BULK |
| 0.027  | K01 | 4.0 | 8.0  | 10.0 | 20 | SMR7.5 273K63K01L4 BULK |
| 0.033  | K01 | 4.0 | 8.0  | 10.0 | 20 | SMR7.5 333K63K01L4 BULK |
| 0.039  | K01 | 4.0 | 8.0  | 10.0 | 20 | SMR7.5 393K63K01L4 BULK |
| 0.047  | K01 | 4.0 | 8.0  | 10.0 | 20 | SMR7.5 473K63K01L4 BULK |
| 0.056  | K01 | 4.0 | 8.0  | 10.0 | 15 | SMR7.5 563K63K01L4 BULK |
| 0.068  | K01 | 4.0 | 8.0  | 10.0 | 15 | SMR7.5 683K63K01L4 BULK |
| 0.082  | K01 | 4.0 | 8.0  | 10.0 | 15 | SMR7.5 823K63K01L4 BULK |
| 0.10   | K01 | 4.0 | 8.0  | 10.0 | 15 | SMR7.5 104K63K01L4 BULK |
| 0.12   | K01 | 4.0 | 8.0  | 10.0 | 15 | SMR7.5 124K63K01L4 BULK |
| 0.15   | K01 | 4.0 | 8.0  | 10.0 | 10 | SMR7.5 154K63K01L4 BULK |
| 0.18   | K01 | 4.0 | 8.0  | 10.0 | 10 | SMR7.5 184K63K01L4 BULK |
| 0.22   | K01 | 4.0 | 8.0  | 10.0 | 10 | SMR7.5 224K63K01L4 BULK |
| 0.27   | K01 | 4.0 | 8.0  | 10.0 | 10 | SMR7.5 274K63K01L4 BULK |
| 0.33   | K03 | 5.0 | 11.0 | 10.0 | 10 | SMR7.5 334K63K03L4 BULK |
| 0.39   | K03 | 5.0 | 11.0 | 10.0 | 10 | SMR7.5 394K63K03L4 BULK |
| 0.47   | K03 | 5.0 | 11.0 | 10.0 | 10 | SMR7.5 474K63K03L4 BULK |
| 0.56   | K03 | 5.0 | 11.0 | 10.0 | 10 | SMR7.5 564K63K03L4 BULK |
| 0.68   | K04 | 6.0 | 12.0 | 10.5 | 10 | SMR7.5 684K63K04L4 BULK |
| 0.82   | K04 | 6.0 | 12.0 | 10.5 | 10 | SMR7.5 824K63K04L4 BULK |

## LEAD SPACING 22.5 MM

|      |     |      |      |      |   |                         |
|------|-----|------|------|------|---|-------------------------|
| 6.8  | D14 | 8.0  | 16.0 | 26.0 | 3 | SMR22.5 685K50D14L4TRAY |
| 8.2  | D15 | 9.0  | 18.5 | 26.0 | 3 | SMR22.5 825K50D15L4TRAY |
| 10.0 | D18 | 10.5 | 19.0 | 26.0 | 3 | SMR22.5 106K50D18L4TRAY |
| 12.0 | D16 | 11.0 | 21.5 | 26.0 | 3 | SMR22.5 126K50D16L4TRAY |

## LEAD SPACING 27.5 MM

|      |     |      |      |      |   |                         |
|------|-----|------|------|------|---|-------------------------|
| 15.0 | F11 | 10.5 | 20.5 | 31.5 | 2 | SMR27.5 156K50F11L4TRAY |
| 18.0 | F12 | 11.5 | 22.5 | 31.5 | 2 | SMR27.5 186K50F12L4TRAY |
| 22.0 | F13 | 14.5 | 24.5 | 31.5 | 2 | SMR27.5 226K50F13L4TRAY |

## 63 VDC/40 VAC

## LEAD SPACING 5 MM

## LEAD SPACING 10 MM

|        |     |     |      |     |    |                       |
|--------|-----|-----|------|-----|----|-----------------------|
| 0.0010 | J01 | 2.5 | 6.5  | 7.2 | 40 | SMR5 102K63J01L4 BULK |
| 0.0012 | J01 | 2.5 | 6.5  | 7.2 | 40 | SMR5 122K63J01L4 BULK |
| 0.0015 | J01 | 2.5 | 6.5  | 7.2 | 40 | SMR5 152K63J01L4 BULK |
| 0.0018 | J01 | 2.5 | 6.5  | 7.2 | 40 | SMR5 182K63J01L4 BULK |
| 0.0022 | J01 | 2.5 | 6.5  | 7.2 | 40 | SMR5 222K63J01L4 BULK |
| 0.0027 | J01 | 2.5 | 6.5  | 7.2 | 40 | SMR5 272K63J01L4 BULK |
| 0.0033 | J01 | 2.5 | 6.5  | 7.2 | 40 | SMR5 332K63J01L4 BULK |
| 0.0039 | J01 | 2.5 | 6.5  | 7.2 | 40 | SMR5 392K63J01L4 BULK |
| 0.0047 | J01 | 2.5 | 6.5  | 7.2 | 20 | SMR5 472K63J01L4 BULK |
| 0.0056 | J01 | 2.5 | 6.5  | 7.2 | 20 | SMR5 562K63J01L4 BULK |
| 0.0068 | J01 | 2.5 | 6.5  | 7.2 | 20 | SMR5 682K63J01L4 BULK |
| 0.0082 | J01 | 2.5 | 6.5  | 7.2 | 20 | SMR5 822K63J01L4 BULK |
| 0.010  | J01 | 2.5 | 6.5  | 7.2 | 20 | SMR5 103K63J01L4 BULK |
| 0.012  | J01 | 2.5 | 6.5  | 7.2 | 15 | SMR5 123K63J01L4 BULK |
| 0.015  | J01 | 2.5 | 6.5  | 7.2 | 15 | SMR5 153K63J01L4 BULK |
| 0.018  | J01 | 2.5 | 6.5  | 7.2 | 15 | SMR5 183K63J01L4 BULK |
| 0.022  | J01 | 2.5 | 6.5  | 7.2 | 15 | SMR5 223K63J01L4 BULK |
| 0.027  | J01 | 2.5 | 6.5  | 7.2 | 15 | SMR5 273K63J01L4 BULK |
| 0.033  | J01 | 2.5 | 6.5  | 7.2 | 15 | SMR5 333K63J01L4 BULK |
| 0.039  | J01 | 2.5 | 6.5  | 7.2 | 15 | SMR5 393K63J01L4 BULK |
| 0.047  | J01 | 2.5 | 6.5  | 7.2 | 6  | SMR5 473K63J01L4 BULK |
| 0.056  | J01 | 2.5 | 6.5  | 7.2 | 6  | SMR5 563K63J01L4 BULK |
| 0.068  | J01 | 2.5 | 6.5  | 7.2 | 6  | SMR5 683K63J01L4 BULK |
| 0.082  | J02 | 3.5 | 8.0  | 7.2 | 6  | SMR5 823K63J02L4 BULK |
| 0.10   | J02 | 3.5 | 8.0  | 7.2 | 6  | SMR5 104K63J02L4 BULK |
| 0.12   | J02 | 3.5 | 8.0  | 7.2 | 6  | SMR5 124K63J02L4 BULK |
| 0.15   | J02 | 3.5 | 8.0  | 7.2 | 6  | SMR5 154K63J02L4 BULK |
| 0.18   | J03 | 4.5 | 9.0  | 7.2 | 6  | SMR5 184K63J03L4 BULK |
| 0.22   | J03 | 4.5 | 9.0  | 7.2 | 6  | SMR5 224K63J03L4 BULK |
| 0.27   | J04 | 5.0 | 10.0 | 7.2 | 6  | SMR5 274K63J04L4 BULK |
| 0.33   | J04 | 5.0 | 10.0 | 7.2 | 6  | SMR5 334K63J04L4 BULK |
| 0.39   | J05 | 6.0 | 11.0 | 7.2 | 6  | SMR5 394K63J05L4 BULK |
| 0.47   | J05 | 6.0 | 11.0 | 7.2 | 6  | SMR5 474K63J05L4 BULK |
| 0.56   | J06 | 7.2 | 13.0 | 7.2 | 6  | SMR5 564K63J06L4 BULK |
| 0.68   | J06 | 7.2 | 13.0 | 7.2 | 6  | SMR5 684K63J06L4 BULK |

|        |     |     |     |      |    |                        |
|--------|-----|-----|-----|------|----|------------------------|
| 0.0027 | A01 | 4.0 | 9.0 | 13.0 | 25 | SMR10 272K63A01L4 BULK |
| 0.0033 | A01 | 4.0 | 9.0 | 13.0 | 25 | SMR10 332K63A01L4 BULK |
| 0.0039 | A01 | 4.0 | 9.0 | 13.0 | 25 | SMR10 392K63A01L4 BULK |
| 0.0047 | A01 | 4.0 | 9.0 | 13.0 | 25 | SMR10 472K63A01L4 BULK |
| 0.0056 | A01 | 4.0 | 9.0 | 13.0 | 25 | SMR10 562K63A01L4 BULK |
| 0.0068 | A01 | 4.0 | 9.0 | 13.0 | 25 | SMR10 682K63A01L4 BULK |
| 0.0082 | A01 | 4.0 | 9.0 | 13.0 | 25 | SMR10 822K63A01L4 BULK |
| 0.010  | A01 | 4.0 | 9.0 | 13.0 | 25 | SMR10 103K63A01L4 BULK |
| 0.012  | A01 | 4.0 | 9.0 | 13.0 | 25 | SMR10 123K63A01L4 BULK |
| 0.015  | A01 | 4.0 | 9.0 | 13.0 | 25 | SMR10 153K63A01L4 BULK |
| 0.018  | A01 | 4.0 | 9.0 | 13.0 | 25 | SMR10 183K63A01L4 BULK |
| 0.022  | A01 | 4.0 | 9.0 | 13.0 | 25 | SMR10 223K63A01L4 BULK |
| 0.027  | A01 | 4.0 | 9.0 | 13.0 | 25 | SMR10 273K63A01L4 BULK |
| 0.033  | A01 | 4.0 | 9.0 | 13.0 | 25 | SMR10 333K63A01L4 BULK |
| 0.039  | A01 | 4.0 | 9.0 | 13.0 | 15 | SMR10 393K63A01L4 BULK |
| 0.047  | A01 | 4.0 | 9.0 | 13.0 | 15 | SMR10 473K63A01L4 BULK |
| 0.056  | A01 | 4.0 | 9.0 | 13.0 | 15 | SMR10 563K63A01L4 BULK |
| 0.068  | A01 | 4.0 | 9.0 | 13.0 | 15 | SMR10 683K63A01L4 BULK |
| 0.082  | A01 | 4.0 | 9.0 | 13.0 | 10 | SMR10 823K63A01L4 BULK |
| 0.10   | A01 | 4.0 | 9.0 | 13.0 | 10 | SMR10 104K63A01L4 BULK |
| 0.12   | A01 | 4.0 | 9.0 | 13.0 | 10 | SMR10 124K63A01L4 BULK |
| 0.15   | A01 | 4.0 | 9.0 | 13.0 | 10 | SMR10 154K63A01L4 BULK |

## ARTICLE TABLE

| Capacitance<br>$\mu\text{F}$ | Box code | Max dimensions in mm |      |      | Max dU/dt<br>$\text{V}/\mu\text{s}$ | Article code             |                              |          |                      |      |      |                                     |                          |
|------------------------------|----------|----------------------|------|------|-------------------------------------|--------------------------|------------------------------|----------|----------------------|------|------|-------------------------------------|--------------------------|
|                              |          | B                    | H    | L    |                                     |                          | Capacitance<br>$\mu\text{F}$ | Box code | Max dimensions in mm |      |      | Max dU/dt<br>$\text{V}/\mu\text{s}$ | Article code             |
| <b>63 VDC/40 VAC</b>         |          |                      |      |      |                                     |                          | <b>100 VDC/63 VAC</b>        |          |                      |      |      |                                     |                          |
| <b>LEAD SPACING 10MM</b>     |          |                      |      |      |                                     |                          | <b>LEAD SPACING 5 MM</b>     |          |                      |      |      |                                     |                          |
| 0.18                         | A01      | 4.0                  | 9.0  | 13.0 | 10                                  | SMR10 184K63A01L4 BULK   | 0.015                        | J01      | 2.5                  | 6.5  | 7.2  | 15                                  | SMR5 153K100J01L4 BULK   |
| 0.22                         | A01      | 4.0                  | 9.0  | 13.0 | 10                                  | SMR10 224K63A01L4 BULK   | 0.018                        | J01      | 2.5                  | 6.5  | 7.2  | 15                                  | SMR5 183K100J01L4 BULK   |
| 0.27                         | A01      | 4.0                  | 9.0  | 13.0 | 8                                   | SMR10 274K63A01L4 BULK   | 0.022                        | J01      | 2.5                  | 6.5  | 7.2  | 15                                  | SMR5 223K100J01L4 BULK   |
| 0.33                         | A01      | 4.0                  | 9.0  | 13.0 | 8                                   | SMR10 334K63A01L4 BULK   | 0.027                        | J01      | 2.5                  | 6.5  | 7.2  | 15                                  | SMR5 273K100J01L4 BULK   |
| 0.39                         | A01      | 4.0                  | 9.0  | 13.0 | 8                                   | SMR10 394K63A01L4 BULK   | 0.033                        | J01      | 2.5                  | 6.5  | 7.2  | 15                                  | SMR5 333K100J01L4 BULK   |
| 0.47                         | A02      | 4.5                  | 10.5 | 13.0 | 8                                   | SMR10 474K63A02L4 BULK   | 0.039                        | J01      | 2.5                  | 6.5  | 7.2  | 15                                  | SMR5 393K100J01L4 BULK   |
| 0.56                         | A02      | 4.5                  | 10.5 | 13.0 | 8                                   | SMR10 564K63A02L4 BULK   | 0.047                        | J02      | 3.5                  | 8.0  | 7.2  | 15                                  | SMR5 473K100J02L4 BULK   |
| 0.68                         | A03      | 5.0                  | 11.0 | 13.0 | 8                                   | SMR10 684K63A03L4 BULK   | 0.056                        | J03      | 4.5                  | 9.0  | 7.2  | 15                                  | SMR5 563K100J03L4 BULK   |
| 0.82                         | A04      | 6.0                  | 12.0 | 13.0 | 8                                   | SMR10 824K63A04L4 BULK   | 0.068                        | J03      | 4.5                  | 9.0  | 7.2  | 15                                  | SMR5 683K100J03L4 BULK   |
| 1.0                          | A04      | 6.0                  | 12.0 | 13.0 | 8                                   | SMR10 105K63A04L4 BULK   | 0.082                        | J03      | 4.5                  | 9.0  | 7.2  | 15                                  | SMR5 823K100J03L4 BULK   |
| <b>LEAD SPACING 15 MM</b>    |          |                      |      |      |                                     |                          | 0.10                         | J03      | 4.5                  | 9.0  | 7.2  | 15                                  | SMR5 104K100J03L4 BULK   |
| 0.68                         | B04      | 5.5                  | 10.5 | 18.0 | 8                                   | SMR15 684K63B04L4 BULK   | 0.12                         | J04      | 5.0                  | 10.0 | 7.2  | 15                                  | SMR5 124K100J04L4 BULK   |
| 0.82                         | B04      | 5.5                  | 10.5 | 18.0 | 8                                   | SMR15 824K63B04L4 BULK   | 0.15                         | J05      | 6.0                  | 11.0 | 7.2  | 15                                  | SMR5 154K100J05L4 BULK   |
| 1.0                          | B05      | 5.5                  | 12.5 | 18.0 | 8                                   | SMR15 105K63B05L4 BULK   | 0.18                         | J05      | 6.0                  | 11.0 | 7.2  | 15                                  | SMR5 184K100J05L4 BULK   |
| 1.2                          | B10      | 6.5                  | 12.5 | 18.0 | 6                                   | SMR15 125K63B10L4 BULK   | 0.22                         | J06      | 7.2                  | 13.0 | 7.2  | 15                                  | SMR5 224K100J06L4 BULK   |
| 1.5                          | B10      | 6.5                  | 12.5 | 18.0 | 6                                   | SMR15 155K63B10L4 BULK   | 0.27                         | J06      | 7.2                  | 13.0 | 7.2  | 15                                  | SMR5 274K100J06L4 BULK   |
| 1.8                          | B06      | 7.5                  | 14.5 | 18.0 | 6                                   | SMR15 185K63B06L4 BULK   | 0.33                         | J06      | 7.2                  | 13.0 | 7.2  | 15                                  | SMR5 334K100J06L4 BULK   |
| 2.2                          | B12      | 8.0                  | 15.0 | 18.0 | 6                                   | SMR15 225K63B12L4 BULK   | <b>LEAD SPACING 7.5 MM</b>   |          |                      |      |      |                                     |                          |
| 2.7                          | B11      | 8.5                  | 16.0 | 18.0 | 6                                   | SMR15 275K63B11L4 BULK   | 0.0010                       | K01      | 4.0                  | 8.0  | 10.0 | 30                                  | SMR7.5 102K100K01L4 BULK |
| 3.3                          | B14      | 9.5                  | 17.5 | 18.0 | 6                                   | SMR15 335K63B14L4 BULK   | 0.0012                       | K01      | 4.0                  | 8.0  | 10.0 | 30                                  | SMR7.5 122K100K01L4 BULK |
| <b>LEAD SPACING 22.5 MM</b>  |          |                      |      |      |                                     |                          | 0.0015                       | K01      | 4.0                  | 8.0  | 10.0 | 30                                  | SMR7.5 152K100K01L4 BULK |
| 2.7                          | D13      | 6.5                  | 14.5 | 26.0 | 3                                   | SMR22.5 275K63D13L4 TRAY | 0.0018                       | K01      | 4.0                  | 8.0  | 10.0 | 30                                  | SMR7.5 182K100K01L4 BULK |
| 3.3                          | D17      | 7.0                  | 16.5 | 26.0 | 3                                   | SMR22.5 335K63D17L4 TRAY | 0.0022                       | K01      | 4.0                  | 8.0  | 10.0 | 30                                  | SMR7.5 222K100K01L4 BULK |
| 3.9                          | D14      | 8.0                  | 16.0 | 26.0 | 3                                   | SMR22.5 395K63D14L4 TRAY | 0.0027                       | K01      | 4.0                  | 8.0  | 10.0 | 30                                  | SMR7.5 272K100K01L4 BULK |
| 4.7                          | D15      | 9.0                  | 18.5 | 26.0 | 3                                   | SMR22.5 475K63D15L4 TRAY | 0.0033                       | K01      | 4.0                  | 8.0  | 10.0 | 30                                  | SMR7.5 332K100K01L4 BULK |
| 5.6                          | D15      | 9.0                  | 18.5 | 26.0 | 3                                   | SMR22.5 565K63D15L4 TRAY | 0.0039                       | K01      | 4.0                  | 8.0  | 10.0 | 30                                  | SMR7.5 392K100K01L4 BULK |
| 6.8                          | D18      | 10.5                 | 19.0 | 26.0 | 3                                   | SMR22.5 685K63D18L4 TRAY | 0.0047                       | K01      | 4.0                  | 8.0  | 10.0 | 30                                  | SMR7.5 472K100K01L4 BULK |
| 8.2                          | D16      | 11.0                 | 21.5 | 26.0 | 3                                   | SMR22.5 825K63D16L4 TRAY | 0.0056                       | K01      | 4.0                  | 8.0  | 10.0 | 30                                  | SMR7.5 562K100K01L4 BULK |
| <b>LEAD SPACING 27.5 MM</b>  |          |                      |      |      |                                     |                          | 0.0068                       | K01      | 4.0                  | 8.0  | 10.0 | 30                                  | SMR7.5 682K100K01L4 BULK |
| 10.0                         | F12      | 11.5                 | 22.5 | 31.5 | 2                                   | SMR27.5 106K63F12L4 TRAY | 0.0082                       | K01      | 4.0                  | 8.0  | 10.0 | 30                                  | SMR7.5 822K100K01L4 BULK |
| 12.0                         | F13      | 14.5                 | 24.5 | 31.5 | 2                                   | SMR27.5 126K63F13L4 TRAY | 0.010                        | K01      | 4.0                  | 8.0  | 10.0 | 30                                  | SMR7.5 103K100K01L4 BULK |
| 15.0                         | F13      | 14.5                 | 24.5 | 31.5 | 2                                   | SMR27.5 156K63F13L4 TRAY | 0.012                        | K01      | 4.0                  | 8.0  | 10.0 | 30                                  | SMR7.5 123K100K01L4 BULK |
| 18.0                         | F14      | 17.5                 | 28.0 | 31.5 | 2                                   | SMR27.5 186K63F14L4 TRAY | 0.015                        | K01      | 4.0                  | 8.0  | 10.0 | 30                                  | SMR7.5 153K100K01L4 BULK |
| 22.0                         | F14      | 17.5                 | 28.0 | 31.5 | 2                                   | SMR27.5 226K63F14L4 TRAY | 0.018                        | K01      | 4.0                  | 8.0  | 10.0 | 30                                  | SMR7.5 183K100K01L4 BULK |
| <b>100 VDC/63 VAC</b>        |          |                      |      |      |                                     |                          | 0.022                        | K01      | 4.0                  | 8.0  | 10.0 | 30                                  | SMR7.5 223K100K01L4 BULK |
| <b>LEAD SPACING 5 MM</b>     |          |                      |      |      |                                     |                          | 0.027                        | K01      | 4.0                  | 8.0  | 10.0 | 20                                  | SMR7.5 273K100K01L4 BULK |
| 0.0010                       | J01      | 2.5                  | 6.5  | 7.2  | 40                                  | SMR5 102K100J01L4 BULK   | 0.033                        | K01      | 4.0                  | 8.0  | 10.0 | 20                                  | SMR7.5 333K100K01L4 BULK |
| 0.0012                       | J01      | 2.5                  | 6.5  | 7.2  | 40                                  | SMR5 122K100J01L4 BULK   | 0.039                        | K01      | 4.0                  | 8.0  | 10.0 | 20                                  | SMR7.5 393K100K01L4 BULK |
| 0.0015                       | J01      | 2.5                  | 6.5  | 7.2  | 40                                  | SMR5 152K100J01L4 BULK   | 0.047                        | K01      | 4.0                  | 8.0  | 10.0 | 20                                  | SMR7.5 473K100K01L4 BULK |
| 0.0018                       | J01      | 2.5                  | 6.5  | 7.2  | 40                                  | SMR5 182K100J01L4 BULK   | 0.056                        | K01      | 4.0                  | 8.0  | 10.0 | 15                                  | SMR7.5 563K100K01L4 BULK |
| 0.0022                       | J01      | 2.5                  | 6.5  | 7.2  | 40                                  | SMR5 222K100J01L4 BULK   | 0.068                        | K01      | 4.0                  | 8.0  | 10.0 | 15                                  | SMR7.5 683K100K01L4 BULK |
| 0.0027                       | J01      | 2.5                  | 6.5  | 7.2  | 40                                  | SMR5 272K100J01L4 BULK   | 0.082                        | K01      | 4.0                  | 8.0  | 10.0 | 15                                  | SMR7.5 823K100K01L4 BULK |
| 0.0033                       | J01      | 2.5                  | 6.5  | 7.2  | 40                                  | SMR5 332K100J01L4 BULK   | 0.10                         | K01      | 4.0                  | 8.0  | 10.0 | 15                                  | SMR7.5 104K100K01L4 BULK |
| 0.0039                       | J01      | 2.5                  | 6.5  | 7.2  | 40                                  | SMR5 392K100J01L4 BULK   | 0.12                         | K01      | 4.0                  | 8.0  | 10.0 | 15                                  | SMR7.5 124K100K01L4 BULK |
| 0.0047                       | J01      | 2.5                  | 6.5  | 7.2  | 20                                  | SMR5 472K100J01L4 BULK   | 0.15                         | K03      | 5.0                  | 11.0 | 10.0 | 15                                  | SMR7.5 154K100K03L4 BULK |
| 0.0056                       | J01      | 2.5                  | 6.5  | 7.2  | 20                                  | SMR5 562K100J01L4 BULK   | 0.18                         | K03      | 5.0                  | 11.0 | 10.0 | 15                                  | SMR7.5 184K100K03L4 BULK |
| 0.0068                       | J01      | 2.5                  | 6.5  | 7.2  | 20                                  | SMR5 682K100J01L4 BULK   | 0.22                         | K03      | 5.0                  | 11.0 | 10.0 | 15                                  | SMR7.5 224K100K03L4 BULK |
| 0.0082                       | J01      | 2.5                  | 6.5  | 7.2  | 20                                  | SMR5 822K100J01L4 BULK   | 0.27                         | K03      | 5.0                  | 11.0 | 10.0 | 15                                  | SMR7.5 274K100K03L4 BULK |
| 0.010                        | J01      | 2.5                  | 6.5  | 7.2  | 20                                  | SMR5 103K100J01L4 BULK   | 0.33                         | K04      | 6.0                  | 12.0 | 10.5 | 15                                  | SMR7.5 334K100K04L4 BULK |
| 0.012                        | J01      | 2.5                  | 6.5  | 7.2  | 15                                  | SMR5 123K100J01L4 BULK   | 0.39                         | K04      | 6.0                  | 12.0 | 10.5 | 15                                  | SMR7.5 394K100K04L4 BULK |
| <b>LEAD SPACING 10 MM</b>    |          |                      |      |      |                                     |                          | 0.47                         | K04      | 6.0                  | 12.0 | 10.5 | 15                                  | SMR7.5 474K100K04L4 BULK |
| 0.0027                       | A01      | 4.0                  | 9.0  | 13.0 | 25                                  | SMR10 272K100A01L4 BULK  |                              |          |                      |      |      |                                     |                          |
| 0.0033                       | A01      | 4.0                  | 9.0  | 13.0 | 25                                  | SMR10 332K100A01L4 BULK  |                              |          |                      |      |      |                                     |                          |
| 0.0039                       | A01      | 4.0                  | 9.0  | 13.0 | 25                                  | SMR10 392K100A01L4 BULK  |                              |          |                      |      |      |                                     |                          |
| 0.0047                       | A01      | 4.0                  | 9.0  | 13.0 | 25                                  | SMR10 472K100A01L4 BULK  |                              |          |                      |      |      |                                     |                          |

## ARTICLE TABLE

| Capacitance<br>µF           | Box code | Max dimensions in mm |      |      | Max dU/dt<br>V/µs | Article code         |                            | Capacitance<br>µF | Box code | Max dimensions in mm |      |      | Max dU/dt<br>V/µs | Article code        |      |
|-----------------------------|----------|----------------------|------|------|-------------------|----------------------|----------------------------|-------------------|----------|----------------------|------|------|-------------------|---------------------|------|
|                             |          | B                    | H    | L    |                   |                      |                            |                   |          | B                    | H    | L    |                   |                     |      |
| <b>100 VDC/63 VAC</b>       |          |                      |      |      |                   |                      | <b>250 VDC/160 VAC</b>     |                   |          |                      |      |      |                   |                     |      |
| <b>LEAD SPACING 10 MM</b>   |          |                      |      |      |                   |                      | <b>LEAD SPACING 5 MM</b>   |                   |          |                      |      |      |                   |                     |      |
| 0.0056                      | A01      | 4.0                  | 9.0  | 13.0 | 25                | SMR10 562K100A01L4   | BULK                       | 0.0010            | J01      | 2.5                  | 6.5  | 7.2  | 40                | SMR5 102K250J01L4   | BULK |
| 0.0068                      | A01      | 4.0                  | 9.0  | 13.0 | 25                | SMR10 682K100A01L4   | BULK                       | 0.0012            | J01      | 2.5                  | 6.5  | 7.2  | 40                | SMR5 122K250J01L4   | BULK |
| 0.0082                      | A01      | 4.0                  | 9.0  | 13.0 | 25                | SMR10 822K100A01L4   | BULK                       | 0.0015            | J01      | 2.5                  | 6.5  | 7.2  | 40                | SMR5 152K250J01L4   | BULK |
| 0.010                       | A01      | 4.0                  | 9.0  | 13.0 | 25                | SMR10 103K100A01L4   | BULK                       | 0.0018            | J01      | 2.5                  | 6.5  | 7.2  | 40                | SMR5 182K250J01L4   | BULK |
| 0.012                       | A01      | 4.0                  | 9.0  | 13.0 | 25                | SMR10 123K100A01L4   | BULK                       | 0.0022            | J01      | 2.5                  | 6.5  | 7.2  | 40                | SMR5 222K250J01L4   | BULK |
| 0.015                       | A01      | 4.0                  | 9.0  | 13.0 | 25                | SMR10 153K100A01L4   | BULK                       | 0.0027            | J01      | 2.5                  | 6.5  | 7.2  | 40                | SMR5 272K250J01L4   | BULK |
| 0.018                       | A01      | 4.0                  | 9.0  | 13.0 | 25                | SMR10 183K100A01L4   | BULK                       | 0.0033            | J01      | 2.5                  | 6.5  | 7.2  | 40                | SMR5 332K250J01L4   | BULK |
| 0.022                       | A01      | 4.0                  | 9.0  | 13.0 | 25                | SMR10 223K100A01L4   | BULK                       | 0.0039            | J01      | 2.5                  | 6.5  | 7.2  | 40                | SMR5 392K250J01L4   | BULK |
| 0.027                       | A01      | 4.0                  | 9.0  | 13.0 | 25                | SMR10 273K100A01L4   | BULK                       | 0.0047            | J01      | 2.5                  | 6.5  | 7.2  | 20                | SMR5 472K250J01L4   | BULK |
| 0.033                       | A01      | 4.0                  | 9.0  | 13.0 | 25                | SMR10 333K100A01L4   | BULK                       | 0.0056            | J01      | 2.5                  | 6.5  | 7.2  | 20                | SMR5 562K250J01L4   | BULK |
| 0.039                       | A01      | 4.0                  | 9.0  | 13.0 | 15                | SMR10 393K100A01L4   | BULK                       | 0.0068            | J01      | 2.5                  | 6.5  | 7.2  | 20                | SMR5 682K250J01L4   | BULK |
| 0.047                       | A01      | 4.0                  | 9.0  | 13.0 | 15                | SMR10 473K100A01L4   | BULK                       | 0.0082            | J01      | 2.5                  | 6.5  | 7.2  | 20                | SMR5 822K250J01L4   | BULK |
| 0.056                       | A01      | 4.0                  | 9.0  | 13.0 | 15                | SMR10 563K100A01L4   | BULK                       | 0.010             | J01      | 2.5                  | 6.5  | 7.2  | 20                | SMR5 103K250J01L4   | BULK |
| 0.068                       | A01      | 4.0                  | 9.0  | 13.0 | 15                | SMR10 683K100A01L4   | BULK                       | 0.012             | J01      | 2.5                  | 6.5  | 7.2  | 20                | SMR5 123K250J01L4   | BULK |
| 0.082                       | A01      | 4.0                  | 9.0  | 13.0 | 10                | SMR10 823K100A01L4   | BULK                       | 0.015             | J02      | 3.5                  | 8.0  | 7.2  | 20                | SMR5 153K250J02L4   | BULK |
| 0.10                        | A01      | 4.0                  | 9.0  | 13.0 | 10                | SMR10 104K100A01L4   | BULK                       | 0.018             | J02      | 3.5                  | 8.0  | 7.2  | 20                | SMR5 183K250J02L4   | BULK |
| 0.12                        | A01      | 4.0                  | 9.0  | 13.0 | 10                | SMR10 124K100A01L4   | BULK                       | 0.022             | J02      | 3.5                  | 8.0  | 7.2  | 20                | SMR5 223K250J02L4   | BULK |
| 0.15                        | A01      | 4.0                  | 9.0  | 13.0 | 10                | SMR10 154K100A01L4   | BULK                       | 0.027             | J02      | 3.5                  | 8.0  | 7.2  | 20                | SMR5 273K250J02L4   | BULK |
| 0.18                        | A01      | 4.0                  | 9.0  | 13.0 | 10                | SMR10 184K100A01L4   | BULK                       | 0.033             | J03      | 4.5                  | 9.0  | 7.2  | 20                | SMR5 333K250J03L4   | BULK |
| 0.22                        | A01      | 4.0                  | 9.0  | 13.0 | 10                | SMR10 224K100A01L4   | BULK                       | 0.039             | J03      | 4.5                  | 9.0  | 7.2  | 20                | SMR5 393K250J03L4   | BULK |
| 0.27                        | A02      | 4.5                  | 10.5 | 13.0 | 10                | SMR10 274K100A02L4   | BULK                       | 0.047             | J03      | 4.5                  | 9.0  | 7.2  | 20                | SMR5 473K250J03L4   | BULK |
| 0.33                        | A03      | 5.0                  | 11.0 | 13.0 | 10                | SMR10 334K100A03L4   | BULK                       | 0.056             | J04      | 5.0                  | 10.0 | 7.2  | 20                | SMR5 563K250J04L4   | BULK |
| 0.39                        | A03      | 5.0                  | 11.0 | 13.0 | 10                | SMR10 394K100A03L4   | BULK                       | 0.068             | J05      | 6.0                  | 11.0 | 7.2  | 20                | SMR5 683K250J05L4   | BULK |
| 0.47                        | A04      | 6.0                  | 12.0 | 13.0 | 10                | SMR10 474K100A04L4   | BULK                       | 0.082             | J05      | 6.0                  | 11.0 | 7.2  | 20                | SMR5 823K250J05L4   | BULK |
| 0.56                        | A04      | 6.0                  | 12.0 | 13.0 | 10                | SMR10 564K100A04L4   | BULK                       | 0.10              | J06      | 7.2                  | 13.0 | 7.2  | 20                | SMR5 104K250J06L4   | BULK |
|                             |          |                      |      |      |                   |                      |                            | 0.12              | J06      | 7.2                  | 13.0 | 7.2  | 20                | SMR5 124K250J06L4   | BULK |
| <b>LEAD SPACING 15 MM</b>   |          |                      |      |      |                   |                      | <b>LEAD SPACING 7.5 MM</b> |                   |          |                      |      |      |                   |                     |      |
| 0.27                        | B04      | 5.5                  | 10.5 | 18.0 | 8                 | SMR15 274K100B04L4   | BULK                       | 0.0010            | K01      | 4.0                  | 8.0  | 10.0 | 30                | SMR7.5 102K250K01L4 | BULK |
| 0.33                        | B04      | 5.5                  | 10.5 | 18.0 | 8                 | SMR15 334K100B04L4   | BULK                       | 0.0012            | K01      | 4.0                  | 8.0  | 10.0 | 30                | SMR7.5 122K250K01L4 | BULK |
| 0.39                        | B04      | 5.5                  | 10.5 | 18.0 | 8                 | SMR15 394K100B04L4   | BULK                       | 0.0015            | K01      | 4.0                  | 8.0  | 10.0 | 30                | SMR7.5 152K250K01L4 | BULK |
| 0.47                        | B04      | 5.5                  | 10.5 | 18.0 | 8                 | SMR15 474K100B04L4   | BULK                       | 0.0018            | K01      | 4.0                  | 8.0  | 10.0 | 30                | SMR7.5 182K250K01L4 | BULK |
| 0.56                        | B05      | 5.5                  | 12.5 | 18.0 | 8                 | SMR15 564K100B05L4   | BULK                       | 0.0022            | K01      | 4.0                  | 8.0  | 10.0 | 30                | SMR7.5 222K250K01L4 | BULK |
| 0.68                        | B10      | 6.5                  | 12.5 | 18.0 | 8                 | SMR15 684K100B10L4   | BULK                       | 0.0027            | K01      | 4.0                  | 8.0  | 10.0 | 30                | SMR7.5 272K250K01L4 | BULK |
| 0.82                        | B06      | 7.5                  | 14.5 | 18.0 | 8                 | SMR15 824K100B06L4   | BULK                       | 0.0033            | K01      | 4.0                  | 8.0  | 10.0 | 30                | SMR7.5 332K250K01L4 | BULK |
| 1.0                         | B06      | 7.5                  | 14.5 | 18.0 | 8                 | SMR15 105K100B06L4   | BULK                       | 0.0039            | K01      | 4.0                  | 8.0  | 10.0 | 30                | SMR7.5 392K250K01L4 | BULK |
| 1.2                         | B12      | 8.0                  | 15.0 | 18.0 | 8                 | SMR15 125K100B12L4   | BULK                       | 0.0047            | K01      | 4.0                  | 8.0  | 10.0 | 30                | SMR7.5 472K250K01L4 | BULK |
| 1.5                         | B11      | 8.5                  | 16.0 | 18.0 | 8                 | SMR15 155K100B11L4   | BULK                       | 0.0056            | K01      | 4.0                  | 8.0  | 10.0 | 30                | SMR7.5 562K250K01L4 | BULK |
| 1.8                         | B14      | 9.5                  | 17.5 | 18.0 | 8                 | SMR15 185K100B14L4   | BULK                       | 0.0068            | K01      | 4.0                  | 8.0  | 10.0 | 30                | SMR7.5 682K250K01L4 | BULK |
| <b>LEAD SPACING 22.5 MM</b> |          |                      |      |      |                   |                      | <b>LEAD SPACING 7.5 MM</b> |                   |          |                      |      |      |                   |                     |      |
| 1.5                         | D13      | 6.5                  | 14.5 | 26.0 | 4                 | SMR22.5 155K100D13L4 | TRAY                       | 0.0082            | K01      | 4.0                  | 8.0  | 10.0 | 30                | SMR7.5 822K250K01L4 | BULK |
| 1.8                         | D17      | 7.0                  | 16.5 | 26.0 | 4                 | SMR22.5 185K100D17L4 | TRAY                       | 0.010             | K01      | 4.0                  | 8.0  | 10.0 | 30                | SMR7.5 103K250K01L4 | BULK |
| 2.2                         | D14      | 8.0                  | 16.0 | 26.0 | 4                 | SMR22.5 225K100D14L4 | TRAY                       | 0.012             | K01      | 4.0                  | 8.0  | 10.0 | 30                | SMR7.5 123K250K01L4 | BULK |
| 2.7                         | D15      | 9.0                  | 18.5 | 26.0 | 4                 | SMR22.5 275K100D15L4 | TRAY                       | 0.015             | K01      | 4.0                  | 8.0  | 10.0 | 30                | SMR7.5 153K250K01L4 | BULK |
| 3.3                         | D18      | 10.5                 | 19.0 | 26.0 | 4                 | SMR22.5 335K100D18L4 | TRAY                       | 0.018             | K01      | 4.0                  | 8.0  | 10.0 | 30                | SMR7.5 183K250K01L4 | BULK |
| 3.9                         | D18      | 10.5                 | 19.0 | 26.0 | 4                 | SMR22.5 395K100D18L4 | TRAY                       | 0.022             | K01      | 4.0                  | 8.0  | 10.0 | 30                | SMR7.5 223K250K01L4 | BULK |
| 4.7                         | D16      | 11.0                 | 21.5 | 26.0 | 4                 | SMR22.5 475K100D16L4 | TRAY                       | 0.027             | K01      | 4.0                  | 8.0  | 10.0 | 20                | SMR7.5 273K250K01L4 | BULK |
| <b>LEAD SPACING 27.5 MM</b> |          |                      |      |      |                   |                      | <b>LEAD SPACING 7.5 MM</b> |                   |          |                      |      |      |                   |                     |      |
| 5.6                         | F12      | 11.5                 | 22.5 | 31.5 | 3                 | SMR27.5 565K100F12L4 | TRAY                       | 0.033             | K01      | 4.0                  | 8.0  | 10.0 | 20                | SMR7.5 333K250K01L4 | BULK |
| 6.8                         | F13      | 14.5                 | 24.5 | 31.5 | 3                 | SMR27.5 685K100F13L4 | TRAY                       | 0.039             | K01      | 4.0                  | 8.0  | 10.0 | 20                | SMR7.5 393K250K01L4 | BULK |
| 8.2                         | F13      | 14.5                 | 24.5 | 31.5 | 3                 | SMR27.5 825K100F13L4 | TRAY                       | 0.047             | K01      | 4.0                  | 8.0  | 10.0 | 20                | SMR7.5 473K250K01L4 | BULK |
| 10.0                        | F14      | 17.5                 | 28.0 | 31.5 | 3                 | SMR27.5 106K100F14L4 | TRAY                       | 0.056             | K03      | 5.0                  | 11.0 | 10.0 | 20                | SMR7.5 563K250K03L4 | BULK |
| 12.0                        | F14      | 17.5                 | 28.0 | 31.5 | 3                 | SMR27.5 126K100F14L4 | TRAY                       | 0.068             | K03      | 5.0                  | 11.0 | 10.0 | 20                | SMR7.5 683K250K03L4 | BULK |
|                             |          |                      |      |      |                   |                      |                            | 0.082             | K03      | 5.0                  | 11.0 | 10.0 | 20                | SMR7.5 823K250K03L4 | BULK |
|                             |          |                      |      |      |                   |                      |                            | 0.10              | K03      | 5.0                  | 11.0 | 10.0 | 20                | SMR7.5 104K250K03L4 | BULK |
|                             |          |                      |      |      |                   |                      |                            | 0.12              | K04      | 6.0                  | 12.0 | 10.5 | 20                | SMR7.5 124K250K04L4 | BULK |
|                             |          |                      |      |      |                   |                      |                            | 0.15              | K04      | 6.0                  | 12.0 | 10.5 | 20                | SMR7.5 154K250K04L4 | BULK |

## ARTICLE TABLE

| Capacitance<br>$\mu\text{F}$ | Box code | Max dimensions in mm |      |      | Max dU/dt<br>V/ $\mu\text{s}$ | Article code              |                            | Capacitance<br>$\mu\text{F}$ | Box code | Max dimensions in mm |      |    | Max dU/dt<br>V/ $\mu\text{s}$ | Article code |
|------------------------------|----------|----------------------|------|------|-------------------------------|---------------------------|----------------------------|------------------------------|----------|----------------------|------|----|-------------------------------|--------------|
|                              |          | B                    | H    | L    |                               |                           |                            |                              |          | B                    | H    | L  |                               |              |
| <b>250 VDC/160 VAC</b>       |          |                      |      |      |                               |                           | <b>400 VDC/200 VAC</b>     |                              |          |                      |      |    |                               |              |
| <b>LEAD SPACING 10 MM</b>    |          |                      |      |      |                               |                           | <b>LEAD SPACING 5 MM</b>   |                              |          |                      |      |    |                               |              |
| 0.0027                       | A01      | 4.0                  | 9.0  | 13.0 | 25                            | SMR10 272K250A01L4 BULK   | 0.0010                     | J01                          | 2.5      | 6.5                  | 7.2  | 40 | SMR5 102K400J01L4 BULK        |              |
| 0.0033                       | A01      | 4.0                  | 9.0  | 13.0 | 25                            | SMR10 332K250A01L4 BULK   | 0.0012                     | J01                          | 2.5      | 6.5                  | 7.2  | 40 | SMR5 122K400J01L4 BULK        |              |
| 0.0039                       | A01      | 4.0                  | 9.0  | 13.0 | 25                            | SMR10 392K250A01L4 BULK   | 0.0015                     | J01                          | 2.5      | 6.5                  | 7.2  | 40 | SMR5 152K400J01L4 BULK        |              |
| 0.0047                       | A01      | 4.0                  | 9.0  | 13.0 | 25                            | SMR10 472K250A01L4 BULK   | 0.0018                     | J01                          | 2.5      | 6.5                  | 7.2  | 40 | SMR5 182K400J01L4 BULK        |              |
| 0.0056                       | A01      | 4.0                  | 9.0  | 13.0 | 25                            | SMR10 562K250A01L4 BULK   | 0.0022                     | J01                          | 2.5      | 6.5                  | 7.2  | 40 | SMR5 222K400J01L4 BULK        |              |
| 0.0068                       | A01      | 4.0                  | 9.0  | 13.0 | 25                            | SMR10 682K250A01L4 BULK   | 0.0027                     | J01                          | 2.5      | 6.5                  | 7.2  | 40 | SMR5 272K400J01L4 BULK        |              |
| 0.0082                       | A01      | 4.0                  | 9.0  | 13.0 | 25                            | SMR10 822K250A01L4 BULK   | 0.0033                     | J01                          | 2.5      | 6.5                  | 7.2  | 40 | SMR5 332K400J01L4 BULK        |              |
| 0.010                        | A01      | 4.0                  | 9.0  | 13.0 | 15                            | SMR10 103K250A01L4 BULK   | 0.0039                     | J01                          | 2.5      | 6.5                  | 7.2  | 40 | SMR5 392K400J01L4 BULK        |              |
| 0.012                        | A01      | 4.0                  | 9.0  | 13.0 | 15                            | SMR10 123K250A01L4 BULK   | 0.0047                     | J02                          | 3.5      | 8.0                  | 7.2  | 40 | SMR5 472K400J02L4 BULK        |              |
| 0.015                        | A01      | 4.0                  | 9.0  | 13.0 | 15                            | SMR10 153K250A01L4 BULK   | 0.0056                     | J02                          | 3.5      | 8.0                  | 7.2  | 40 | SMR5 562K400J02L4 BULK        |              |
| 0.018                        | A01      | 4.0                  | 9.0  | 13.0 | 15                            | SMR10 183K250A01L4 BULK   | 0.0068                     | J02                          | 3.5      | 8.0                  | 7.2  | 40 | SMR5 682K400J02L4 BULK        |              |
| 0.022                        | A01      | 4.0                  | 9.0  | 13.0 | 15                            | SMR10 223K250A01L4 BULK   | 0.0082                     | J02                          | 3.5      | 8.0                  | 7.2  | 40 | SMR5 822K400J02L4 BULK        |              |
| 0.027                        | A01      | 4.0                  | 9.0  | 13.0 | 15                            | SMR10 273K250A01L4 BULK   | 0.010                      | J02                          | 3.5      | 8.0                  | 7.2  | 40 | SMR5 103K400J02L4 BULK        |              |
| 0.033                        | A01      | 4.0                  | 9.0  | 13.0 | 15                            | SMR10 333K250A01L4 BULK   | 0.012                      | J02                          | 3.5      | 8.0                  | 7.2  | 40 | SMR5 123K400J02L4 BULK        |              |
| 0.039                        | A01      | 4.0                  | 9.0  | 13.0 | 15                            | SMR10 393K250A01L4 BULK   | 0.015                      | J03                          | 4.5      | 9.0                  | 7.2  | 40 | SMR5 153K400J03L4 BULK        |              |
| 0.047                        | A01      | 4.0                  | 9.0  | 13.0 | 15                            | SMR10 473K250A01L4 BULK   | 0.018                      | J03                          | 4.5      | 9.0                  | 7.2  | 40 | SMR5 183K400J03L4 BULK        |              |
| 0.056                        | A01      | 4.0                  | 9.0  | 13.0 | 15                            | SMR10 563K250A01L4 BULK   | 0.022                      | J04                          | 5.0      | 10.0                 | 7.2  | 40 | SMR5 223K400J04L4 BULK        |              |
| 0.068                        | A01      | 4.0                  | 9.0  | 13.0 | 15                            | SMR10 683K250A01L4 BULK   | 0.027                      | J04                          | 5.0      | 10.0                 | 7.2  | 40 | SMR5 273K400J04L4 BULK        |              |
| 0.082                        | A02      | 4.5                  | 10.5 | 13.0 | 15                            | SMR10 823K250A02L4 BULK   | 0.033                      | J05                          | 6.0      | 11.0                 | 7.2  | 40 | SMR5 333K400J05L4 BULK        |              |
| 0.10                         | A02      | 4.5                  | 10.5 | 13.0 | 15                            | SMR10 104K250A02L4 BULK   | 0.039                      | J05                          | 6.0      | 11.0                 | 7.2  | 40 | SMR5 393K400J05L4 BULK        |              |
| 0.12                         | A03      | 5.0                  | 11.0 | 13.0 | 15                            | SMR10 124K250A03L4 BULK   | 0.047                      | J06                          | 7.2      | 13.0                 | 7.2  | 40 | SMR5 473K400J06L4 BULK        |              |
| 0.15                         | A04      | 6.0                  | 12.0 | 13.0 | 15                            | SMR10 154K250A04L4 BULK   | 0.056                      | J06                          | 7.2      | 13.0                 | 7.2  | 40 | SMR5 563K400J06L4 BULK        |              |
| 0.18                         | A04      | 6.0                  | 12.0 | 13.0 | 15                            | SMR10 184K250A04L4 BULK   |                            |                              |          |                      |      |    |                               |              |
| <b>LEAD SPACING 15 MM</b>    |          |                      |      |      |                               |                           | <b>LEAD SPACING 7.5 MM</b> |                              |          |                      |      |    |                               |              |
| 0.10                         | B04      | 5.5                  | 10.5 | 18.0 | 10                            | SMR15 104K250B04L4 BULK   | 0.0010                     | K01                          | 4.0      | 8.0                  | 10.0 | 30 | SMR7.5 102K400K01L4BULK       |              |
| 0.12                         | B04      | 5.5                  | 10.5 | 18.0 | 10                            | SMR15 124K250B04L4 BULK   | 0.0012                     | K01                          | 4.0      | 8.0                  | 10.0 | 30 | SMR7.5 122K400K01L4BULK       |              |
| 0.15                         | B04      | 5.5                  | 10.5 | 18.0 | 10                            | SMR15 154K250B04L4 BULK   | 0.0015                     | K01                          | 4.0      | 8.0                  | 10.0 | 30 | SMR7.5 152K400K01L4BULK       |              |
| 0.18                         | B05      | 5.5                  | 12.5 | 18.0 | 10                            | SMR15 184K250B05L4 BULK   | 0.0018                     | K01                          | 4.0      | 8.0                  | 10.0 | 30 | SMR7.5 182K400K01L4BULK       |              |
| 0.22                         | B10      | 6.5                  | 12.5 | 18.0 | 10                            | SMR15 224K250B10L4 BULK   | 0.0022                     | K01                          | 4.0      | 8.0                  | 10.0 | 30 | SMR7.5 222K400K01L4BULK       |              |
| 0.27                         | B06      | 7.5                  | 14.5 | 18.0 | 10                            | SMR15 274K250B06L4 BULK   | 0.0027                     | K01                          | 4.0      | 8.0                  | 10.0 | 30 | SMR7.5 272K400K01L4BULK       |              |
| 0.33                         | B06      | 7.5                  | 14.5 | 18.0 | 10                            | SMR15 334K250B06L4 BULK   | 0.0033                     | K01                          | 4.0      | 8.0                  | 10.0 | 30 | SMR7.5 332K400K01L4BULK       |              |
| 0.39                         | B12      | 8.0                  | 15.0 | 18.0 | 10                            | SMR15 394K250B12L4 BULK   | 0.0039                     | K01                          | 4.0      | 8.0                  | 10.0 | 30 | SMR7.5 392K400K01L4BULK       |              |
| 0.47                         | B11      | 8.5                  | 16.0 | 18.0 | 10                            | SMR15 474K250B11L4 BULK   | 0.0047                     | K01                          | 4.0      | 8.0                  | 10.0 | 30 | SMR7.5 472K400K01L4BULK       |              |
| 0.56                         | B14      | 9.5                  | 17.5 | 18.0 | 10                            | SMR15 564K250B14L4 BULK   | 0.0056                     | K01                          | 4.0      | 8.0                  | 10.0 | 30 | SMR7.5 562K400K01L4BULK       |              |
| <b>LEAD SPACING 22.5 MM</b>  |          |                      |      |      |                               |                           | 0.0068                     | K01                          | 4.0      | 8.0                  | 10.0 | 30 | SMR7.5 682K400K01L4BULK       |              |
| 0.47                         | D13      | 6.5                  | 14.5 | 26.0 | 8                             | SMR22.5 474K250D13L4 TRAY | 0.0082                     | K01                          | 4.0      | 8.0                  | 10.0 | 30 | SMR7.5 822K400K01L4BULK       |              |
| 0.56                         | D17      | 7.0                  | 16.5 | 26.0 | 8                             | SMR22.5 564K250D17L4 TRAY | 0.010                      | K01                          | 4.0      | 8.0                  | 10.0 | 30 | SMR7.5 103K400K01L4BULK       |              |
| 0.68                         | D17      | 7.0                  | 16.5 | 26.0 | 8                             | SMR22.5 684K250D17L4 TRAY | 0.012                      | K01                          | 4.0      | 8.0                  | 10.0 | 30 | SMR7.5 123K400K01L4BULK       |              |
| 0.82                         | D15      | 9.0                  | 18.5 | 26.0 | 8                             | SMR22.5 824K250D15L4 TRAY | 0.015                      | K01                          | 4.0      | 8.0                  | 10.0 | 30 | SMR7.5 153K400K01L4BULK       |              |
| 1.0                          | D15      | 9.0                  | 18.5 | 26.0 | 8                             | SMR22.5 105K250D15L4 TRAY | 0.018                      | K01                          | 4.0      | 8.0                  | 10.0 | 30 | SMR7.5 183K400K01L4BULK       |              |
| 1.2                          | D18      | 10.5                 | 19.0 | 26.0 | 8                             | SMR22.5 125K250D18L4 TRAY | 0.022                      | K01                          | 4.0      | 8.0                  | 10.0 | 30 | SMR7.5 223K400K01L4BULK       |              |
| 1.5                          | D16      | 11.0                 | 21.5 | 26.0 | 8                             | SMR22.5 155K250D16L4 TRAY | 0.027                      | K03                          | 5.0      | 11.0                 | 10.0 | 30 | SMR7.5 273K400K03L4BULK       |              |
| <b>LEAD SPACING 27.5 MM</b>  |          |                      |      |      |                               |                           | 0.033                      | K03                          | 5.0      | 11.0                 | 10.0 | 30 | SMR7.5 333K400K03L4BULK       |              |
| 1.5                          | F11      | 10.5                 | 20.5 | 31.5 | 6                             | SMR27.5 155K250F11L4 TRAY | 0.039                      | K03                          | 5.0      | 11.0                 | 10.0 | 30 | SMR7.5 393K400K03L4BULK       |              |
| 1.8                          | F11      | 10.5                 | 20.5 | 31.5 | 6                             | SMR27.5 185K250F11L4 TRAY | 0.047                      | K03                          | 5.0      | 11.0                 | 10.0 | 30 | SMR7.5 473K400K03L4BULK       |              |
| 2.2                          | F12      | 11.5                 | 22.5 | 31.5 | 6                             | SMR27.5 225K250F12L4 TRAY | 0.056                      | K04                          | 6.0      | 12.0                 | 10.5 | 30 | SMR7.5 563K400K04L4BULK       |              |
| 2.7                          | F13      | 14.5                 | 24.5 | 31.5 | 6                             | SMR27.5 275K250F13L4 TRAY | 0.068                      | K04                          | 6.0      | 12.0                 | 10.5 | 30 | SMR7.5 683K400K04L4BULK       |              |
| 3.3                          | F14      | 17.5                 | 28.0 | 31.5 | 6                             | SMR27.5 335K250F14L4 TRAY | <b>LEAD SPACING 10 MM</b>  |                              |          |                      |      |    |                               |              |
| 3.9                          | F14      | 17.5                 | 28.0 | 31.5 | 6                             | SMR27.5 395K250F14L4 TRAY | 0.0027                     | A01                          | 4.0      | 9.0                  | 13.0 | 25 | SMR10 272K400A01L4BULK        |              |
|                              |          |                      |      |      |                               |                           | 0.0033                     | A01                          | 4.0      | 9.0                  | 13.0 | 25 | SMR10 332K400A01L4BULK        |              |
|                              |          |                      |      |      |                               |                           | 0.0039                     | A01                          | 4.0      | 9.0                  | 13.0 | 25 | SMR10 392K400A01L4BULK        |              |
|                              |          |                      |      |      |                               |                           | 0.0047                     | A01                          | 4.0      | 9.0                  | 13.0 | 25 | SMR10 472K400A01L4BULK        |              |
|                              |          |                      |      |      |                               |                           | 0.0068                     | A01                          | 4.0      | 9.0                  | 13.0 | 25 | SMR10 682K400A01L4BULK        |              |
|                              |          |                      |      |      |                               |                           | 0.0082                     | A01                          | 4.0      | 9.0                  | 13.0 | 25 | SMR10 822K400A01L4BULK        |              |
|                              |          |                      |      |      |                               |                           | 0.010                      | A01                          | 4.0      | 9.0                  | 13.0 | 25 | SMR10 103K400A01L4BULK        |              |
|                              |          |                      |      |      |                               |                           | 0.012                      | A01                          | 4.0      | 9.0                  | 13.0 | 25 | SMR10 123K400A01L4BULK        |              |
|                              |          |                      |      |      |                               |                           | 0.015                      | A01                          | 4.0      | 9.0                  | 13.0 | 25 | SMR10 153K400A01L4BULK        |              |
|                              |          |                      |      |      |                               |                           | 0.018                      | A01                          | 4.0      | 9.0                  | 13.0 | 25 | SMR10 183K400A01L4BULK        |              |

## ARTICLE TABLE

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
 $\mu\text{F}$  B H L V/ $\mu\text{s}$  Article code

## 400 VDC/200 VAC

## LEAD SPACING 10 MM

|       |     |     |      |      |    |                        |
|-------|-----|-----|------|------|----|------------------------|
| 0.022 | A01 | 4.0 | 9.0  | 13.0 | 25 | SMR10 223K400A01L4BULK |
| 0.027 | A01 | 4.0 | 9.0  | 13.0 | 25 | SMR10 273K400A01L4BULK |
| 0.033 | A01 | 4.0 | 9.0  | 13.0 | 25 | SMR10 333K400A01L4BULK |
| 0.039 | A02 | 4.5 | 10.5 | 13.0 | 25 | SMR10 393K400A02L4BULK |
| 0.047 | A03 | 5.0 | 11.0 | 13.0 | 25 | SMR10 473K400A03L4BULK |
| 0.056 | A03 | 5.0 | 11.0 | 13.0 | 25 | SMR10 563K400A03L4BULK |
| 0.068 | A04 | 6.0 | 12.0 | 13.0 | 25 | SMR10 683K400A04L4BULK |
| 0.082 | A04 | 6.0 | 12.0 | 13.0 | 25 | SMR10 823K400A04L4BULK |

## LEAD SPACING 15 MM

|       |     |     |      |      |    |                        |
|-------|-----|-----|------|------|----|------------------------|
| 0.047 | B04 | 5.5 | 10.5 | 18.0 | 15 | SMR15 473K400B04L4BULK |
| 0.056 | B04 | 5.5 | 10.5 | 18.0 | 15 | SMR15 563K400B04L4BULK |
| 0.068 | B04 | 5.5 | 10.5 | 18.0 | 15 | SMR15 683K400B04L4BULK |
| 0.082 | B05 | 5.5 | 12.5 | 18.0 | 15 | SMR15 823K400B05L4BULK |
| 0.10  | B10 | 6.5 | 12.5 | 18.0 | 15 | SMR15 104K400B10L4BULK |
| 0.12  | B06 | 7.5 | 14.5 | 18.0 | 15 | SMR15 124K400B06L4BULK |
| 0.15  | B06 | 7.5 | 14.5 | 18.0 | 15 | SMR15 154K400B06L4BULK |
| 0.18  | B12 | 8.0 | 15.0 | 18.0 | 15 | SMR15 184K400B12L4BULK |
| 0.22  | B11 | 8.5 | 16.0 | 18.0 | 15 | SMR15 224K400B11L4BULK |
| 0.27  | B14 | 9.5 | 17.5 | 18.0 | 15 | SMR15 274K400B14L4BULK |

## ARTICLE TABLE

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
 $\mu\text{F}$  B H L V/ $\mu\text{s}$  Article code

## 400 VDC/200 VAC

## LEAD SPACING 22.5 MM

|      |     |      |      |      |    |                          |
|------|-----|------|------|------|----|--------------------------|
| 0.15 | D13 | 6.5  | 14.5 | 26.0 | 10 | SMR22.5 154K400D13L4TRAY |
| 0.18 | D13 | 6.5  | 14.5 | 26.0 | 10 | SMR22.5 184K400D13L4TRAY |
| 0.22 | D13 | 6.5  | 14.5 | 26.0 | 10 | SMR22.5 224K400D13L4TRAY |
| 0.27 | D17 | 7.0  | 16.5 | 26.0 | 10 | SMR22.5 274K400D17L4TRAY |
| 0.33 | D14 | 8.0  | 16.0 | 26.0 | 10 | SMR22.5 334K400D14L4TRAY |
| 0.39 | D15 | 9.0  | 18.5 | 26.0 | 10 | SMR22.5 394K400D15L4TRAY |
| 0.47 | D15 | 9.0  | 18.5 | 26.0 | 10 | SMR22.5 474K400D15L4TRAY |
| 0.56 | D18 | 10.5 | 19.0 | 26.0 | 10 | SMR22.5 564K400D18L4TRAY |
| 0.68 | D16 | 11.0 | 21.5 | 26.0 | 10 | SMR22.5 684K400D16L4TRAY |

## LEAD SPACING 27.5 MM

|      |     |      |      |      |   |                          |
|------|-----|------|------|------|---|--------------------------|
| 0.47 | F11 | 10.5 | 20.5 | 31.5 | 8 | SMR27.5 474K400F11L4TRAY |
| 0.56 | F11 | 10.5 | 20.5 | 31.5 | 8 | SMR27.5 564K400F11L4TRAY |
| 0.68 | F11 | 10.5 | 20.5 | 31.5 | 8 | SMR27.5 684K400F11L4TRAY |
| 0.82 | F12 | 11.5 | 22.5 | 31.5 | 8 | SMR27.5 824K400F12L4TRAY |
| 1.0  | F12 | 11.5 | 22.5 | 31.5 | 8 | SMR27.5 105K400F12L4TRAY |
| 1.2  | F13 | 14.5 | 24.5 | 31.5 | 8 | SMR27.5 125K400F13L4TRAY |
| 1.5  | F14 | 17.5 | 28.0 | 31.5 | 8 | SMR27.5 155K400F14L4TRAY |
| 1.8  | F14 | 17.5 | 28.0 | 31.5 | 8 | SMR27.5 185K400F14L4TRAY |