

- Metallized polyester
- According to CECC 30401-042, IEC 60384-2, DIN 44122

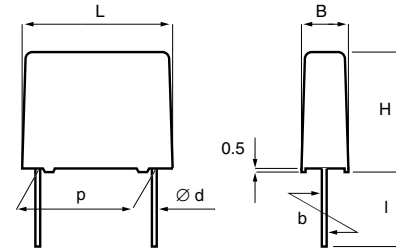


TYPICAL APPLICATIONS

Bypassing, signal coupling. General purpose for highest reliability.

CONSTRUCTION

Metallized polyester film capacitor. 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 | 630 | 1000 |
| Rated voltage U_R , VAC | 30 | 40 | 63 | 160 | 200 | 220 | 250 |
| Capacitance, μF | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| | -10.0 | -82 | -82 | -39 | -18 | -6.8 | -4.7 |

Capacitance tolerance $\pm 20\%$, $\pm 10\%$ standard, $\pm 5\%$.

Category temperature range $-55 \dots +100^\circ\text{C}$

Voltage derating Above $+85^\circ\text{C}$ DC and AC voltage derating is $1.25\%/^\circ\text{C}$.

Rated temperature $+85^\circ\text{C}$

Climatic category IEC 60068-1, 55/100/56
DIN 40040, FME
 $-55 \dots +100^\circ\text{C}$ ($+125^\circ\text{C}$)
Average relative humidity $\leq 75\%$
RH = 95% for 30 days per year.
RH = 85% for further days limited by average value per year, occasional slight condensation permitted.

Test voltage $1.6 \times U_R$ VDC for 2s

Capacitance drift Max. 2% after a 2 year storage period at a temperature of $+10 \dots +40^\circ\text{C}$ and a relative humidity of 40...60%.

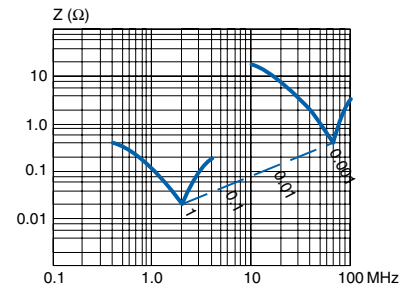
Reliability Operational life $> 200\,000$ h.
Failure rate < 3 FIT, $T = +40^\circ\text{C}$, $U = 0.5 \times U_R$.
Failure criteria according to DIN 44122.

Maximum pulse steepness: dU/dt according to article table. For peak to peak voltages lower than rated voltage ($U_{pp} < U_R$), the specified dU/dt can be multiplied by the factor U_R/U_{pp}

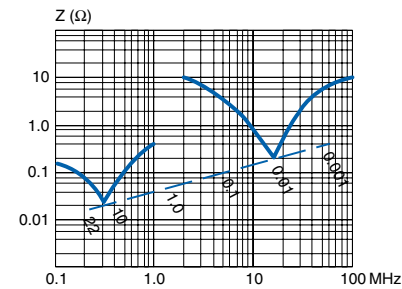
Temperature coefficient $+400 (\pm 200)$ ppm/ $^\circ\text{C}$ at 1 kHz

Self inductance Approximately 6 nH/cm for the total length of capacitor winding and the leads.

| p | d | std l | max l | b |
|----------------|-----|----------|-------|-----------|
| 5.0 ± 0.4 | 0.5 | 4^{+1} | 20 | ± 0.4 |
| 7.5 ± 0.4 | 0.6 | 4^{+1} | 20 | ± 0.4 |
| 10.0 ± 0.4 | 0.6 | 4^{+1} | 30 | ± 0.4 |
| 15.0 ± 0.4 | 0.8 | 4^{+1} | 30 | ± 0.4 |
| 22.5 ± 0.4 | 0.8 | 4^{+1} | 30 | ± 0.4 |
| 27.5 ± 0.4 | 0.8 | 4^{+1} | 30 | ± 0.4 |
| 37.5 ± 0.5 | 1.0 | 4^{+1} | 30 | ± 0.7 |



Resonance frequencies
MMK 5



Resonance frequencies
MMK7.5 ... 37.5

ENVIRONMENTAL TEST DATA

Damp heat test Test conditions: $T = +40^\circ\text{C}$, RH = 93%, $t = 56$ days.
Test criteria: $\Delta C/C \leq \pm 5\%$,
 $\Delta \tan \delta \leq 0.005$ (1kHz),
IR after test $0.5 \times \text{IR min.}$

Endurance test Test conditions: $T = +100^\circ\text{C}$, $U = 1.25 \times (0.8 \times U_R)$,
 $t = 2000$ h.
Test criteria: $\Delta C/C \leq \pm 5\%$,
 $\Delta \tan \delta \leq 0.005$ (1kHz)
 $\Delta \tan \delta \leq 0.010$ (100kHz)
IR after test $0.5 \times \text{IR min.}$

TECHNICAL DATA

Dissipation factor tanδ

Maximum values at +23°C

C ≤ 0.1 μF 0.1 μF < C ≤ 1.0 μF C > 1.0 μF

| | | | | |
|-----------------|---------|------|------|------|
| MMK5 | 1 kHz | 0.8% | 0.8% | 0.8% |
| | 10 kHz | 1.2% | 1.2% | 1.5% |
| | 100 kHz | 2.5% | 3.0% | |
| MMK7.5 ... 37.5 | 1 kHz | 0.8% | 0.8% | 1.0% |
| | 10 kHz | 1.5% | 1.5% | |
| | 100 kHz | 3.0% | | |

Insulation resistance

Minimum values between terminals.

Measured at +20°C, according to IEC 60384-2.

C ≤ 0.33 μF C > 0.33 μF

| | | |
|-----------------------|----------|---------|
| U _R ≤ 100V | 15000 MΩ | 5000 s |
| U _R > 100V | 30000 MΩ | 10000 s |

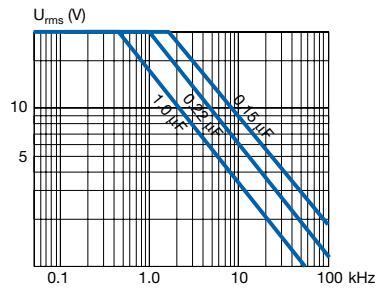
ORDERING INFORMATION

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

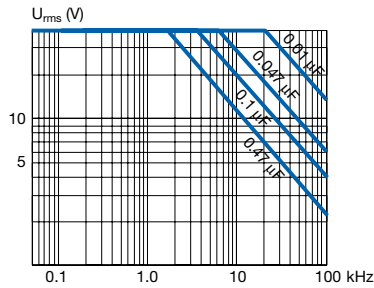
MARKING

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

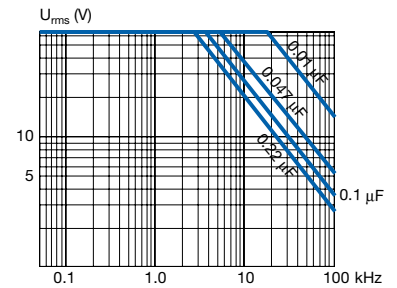
RATED AC VOLTAGE VS. FREQUENCY



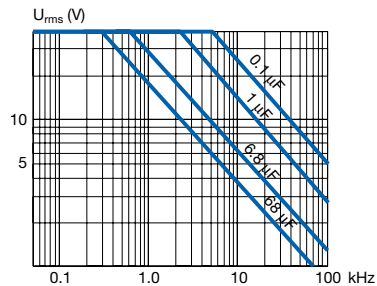
MMK5 50/30



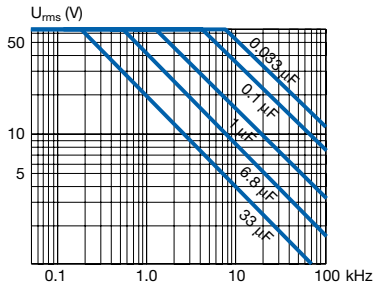
MMK5 63/40



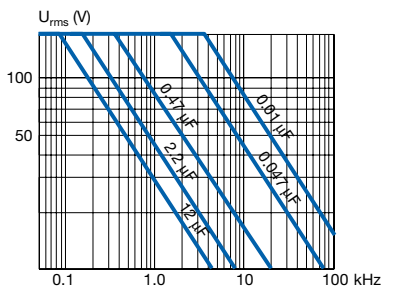
MMK5 100/63



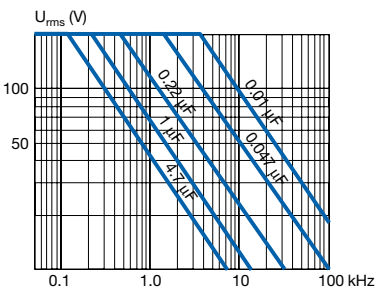
MMK7.5 ... 37.5 63/40



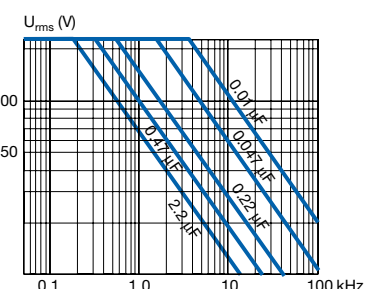
MMK7.5 ... 37.5 100/63



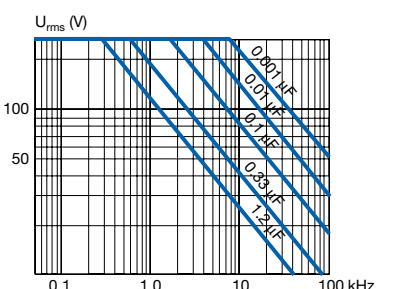
MMK7.5 ... 37.5 250/160



MMK7.5 ... 37.5 400/200



MMK7.5 ... 37.5 630/220



MMK7.5 ... 37.5 1000/250

ARTICLE TABLE

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

50 VDC/30 VAC

LEAD SPACING 5 MM

| | | | | | | |
|--------|-----|-----|------|-----|----|-----------------------|
| 0.0010 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 102K50J01L4 BULK |
| 0.0012 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 122K50J01L4 BULK |
| 0.0015 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 152K50J01L4 BULK |
| 0.0018 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 182K50J01L4 BULK |
| 0.0022 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 222K50J01L4 BULK |
| 0.0027 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 272K50J01L4 BULK |
| 0.0033 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 332K50J01L4 BULK |
| 0.0039 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 392K50J01L4 BULK |
| 0.0047 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 472K50J01L4 BULK |
| 0.0056 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 562K50J01L4 BULK |
| 0.0068 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 682K50J01L4 BULK |
| 0.0082 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 822K50J01L4 BULK |
| 0.010 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 103K50J01L4 BULK |
| 0.012 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 123K50J01L4 BULK |
| 0.015 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 153K50J01L4 BULK |
| 0.018 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 183K50J01L4 BULK |
| 0.022 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 223K50J01L4 BULK |
| 0.027 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 273K50J01L4 BULK |
| 0.033 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 333K50J01L4 BULK |
| 0.039 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 393K50J01L4 BULK |
| 0.047 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 473K50J01L4 BULK |
| 0.056 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 563K50J01L4 BULK |
| 0.068 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 683K50J01L4 BULK |
| 0.082 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 823K50J01L4 BULK |
| 0.10 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 104K50J01L4 BULK |
| 0.12 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 124K50J01L4 BULK |
| 0.15 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 154K50J01L4 BULK |
| 0.18 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 184K50J01L4 BULK |
| 0.22 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 224K50J01L4 BULK |
| 0.27 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 274K50J01L4 BULK |
| 0.33 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 334K50J01L4 BULK |
| 0.39 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 394K50J01L4 BULK |
| 0.47 | J01 | 2.5 | 6.5 | 7.2 | 12 | MMK5 474K50J01L4 BULK |
| 0.56 | J02 | 3.5 | 8.0 | 7.2 | 12 | MMK5 564K50J02L4 BULK |
| 0.68 | J02 | 3.5 | 8.0 | 7.2 | 12 | MMK5 684K50J02L4 BULK |
| 0.82 | J02 | 3.5 | 8.0 | 7.2 | 12 | MMK5 824K50J02L4 BULK |
| 1.0 | J02 | 3.5 | 8.0 | 7.2 | 12 | MMK5 105K50J02L4 BULK |
| 1.2 | J03 | 4.5 | 9.0 | 7.2 | 12 | MMK5 125K50J03L4 BULK |
| 1.5 | J03 | 4.5 | 9.0 | 7.2 | 12 | MMK5 155K50J03L4 BULK |
| 1.8 | J04 | 5.0 | 10.0 | 7.2 | 12 | MMK5 185K50J04L4 BULK |
| 2.2 | J04 | 5.0 | 10.0 | 7.2 | 12 | MMK5 225K50J04L4 BULK |
| 2.7 | J05 | 6.0 | 11.0 | 7.2 | 12 | MMK5 275K50J05L4 BULK |
| 3.3 | J05 | 6.0 | 11.0 | 7.2 | 12 | MMK5 335K50J05L4 BULK |
| 3.9 | J06 | 7.2 | 13.0 | 7.2 | 12 | MMK5 395K50J06L4 BULK |
| 4.7 | J06 | 7.2 | 13.0 | 7.2 | 12 | MMK5 475K50J06L4 BULK |
| 5.6 | J06 | 7.2 | 13.0 | 7.2 | 12 | MMK5 565K50J06L4 BULK |
| 6.0 | J06 | 7.2 | 13.0 | 7.2 | 12 | MMK5 605K50J06L4 BULK |

LEAD SPACING 7.5 MM

| | | | | | | |
|--------|-----|-----|-----|------|---|-------------------------|
| 0.0010 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 102K50K00L4 BULK |
| 0.0012 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 122K50K00L4 BULK |
| 0.0015 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 152K50K00L4 BULK |
| 0.0018 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 182K50K00L4 BULK |
| 0.0022 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 222K50K00L4 BULK |
| 0.0027 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 272K50K00L4 BULK |
| 0.0033 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 332K50K00L4 BULK |
| 0.0039 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 392K50K00L4 BULK |
| 0.0047 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 472K50K00L4 BULK |
| 0.0056 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 562K50K00L4 BULK |

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

50 VDC/30 VAC

LEAD SPACING 7.5 MM

| | | | | | | |
|--------|-----|-----|------|------|---|-------------------------|
| 0.0068 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 682K50K00L4 BULK |
| 0.0082 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 822K50K00L4 BULK |
| 0.010 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 103K50K00L4 BULK |
| 0.012 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 123K50K00L4 BULK |
| 0.015 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 153K50K00L4 BULK |
| 0.018 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 183K50K00L4 BULK |
| 0.022 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 223K50K00L4 BULK |
| 0.027 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 273K50K00L4 BULK |
| 0.033 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 333K50K00L4 BULK |
| 0.039 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 393K50K00L4 BULK |
| 0.047 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 473K50K00L4 BULK |
| 0.056 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 563K50K00L4 BULK |
| 0.068 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 683K50K00L4 BULK |
| 0.082 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 823K50K00L4 BULK |
| 0.10 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 104K50K00L4 BULK |
| 0.12 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 124K50K00L4 BULK |
| 0.15 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 154K50K00L4 BULK |
| 0.18 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 184K50K00L4 BULK |
| 0.22 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 224K50K00L4 BULK |
| 0.27 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 274K50K00L4 BULK |
| 0.33 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 334K50K00L4 BULK |
| 0.39 | K01 | 4.0 | 8.0 | 10.0 | 5 | MMK7.5 394K50K01L4 BULK |
| 0.47 | K01 | 4.0 | 8.0 | 10.0 | 5 | MMK7.5 474K50K01L4 BULK |
| 0.56 | K01 | 4.0 | 8.0 | 10.0 | 5 | MMK7.5 564K50K01L4 BULK |
| 0.68 | K01 | 4.0 | 8.0 | 10.0 | 5 | MMK7.5 684K50K01L4 BULK |
| 0.82 | K01 | 4.0 | 8.0 | 10.0 | 5 | MMK7.5 824K50K01L4 BULK |
| 1.0 | K01 | 4.0 | 8.0 | 10.0 | 5 | MMK7.5 105K50K01L4 BULK |
| 1.2 | K03 | 5.0 | 11.0 | 10.0 | 5 | MMK7.5 125K50K03L4 BULK |
| 1.5 | K03 | 5.0 | 11.0 | 10.0 | 5 | MMK7.5 155K50K03L4 BULK |
| 1.8 | K03 | 5.0 | 11.0 | 10.0 | 5 | MMK7.5 185K50K03L4 BULK |
| 2.2 | K04 | 6.0 | 12.0 | 10.5 | 5 | MMK7.5 225K50K04L4 BULK |
| 2.7 | K04 | 6.0 | 12.0 | 10.5 | 5 | MMK7.5 275K50K04L4 BULK |
| 3.3 | K04 | 6.0 | 12.0 | 10.5 | 5 | MMK7.5 335K50K04L4 BULK |

LEAD SPACING 10 MM

| | | | | | | |
|-----|-----|-----|------|------|---|------------------------|
| 1.0 | A01 | 4.0 | 9.0 | 13.0 | 4 | MMK10 105K50A01L4 BULK |
| 1.2 | A01 | 4.0 | 9.0 | 13.0 | 4 | MMK10 125K50A01L4 BULK |
| 1.5 | A02 | 4.5 | 10.5 | 13.0 | 4 | MMK10 155K50A02L4 BULK |
| 1.8 | A03 | 5.0 | 11.0 | 13.0 | 4 | MMK10 185K50A03L4 BULK |
| 2.2 | A03 | 5.0 | 11.0 | 13.0 | 4 | MMK10 225K50A03L4 BULK |
| 2.7 | A04 | 6.0 | 12.0 | 13.0 | 4 | MMK10 275K50A04L4 BULK |

LEAD SPACING 15 MM

| | | | | | | |
|------|-----|-----|------|------|---|------------------------|
| 2.0 | B04 | 5.5 | 10.5 | 18.0 | 3 | MMK15 205K50B04L4 BULK |
| 2.2 | B04 | 5.5 | 10.5 | 18.0 | 3 | MMK15 225K50B04L4 BULK |
| 2.7 | B05 | 5.5 | 12.5 | 18.0 | 3 | MMK15 275K50B05L4 BULK |
| 3.3 | B05 | 5.5 | 12.5 | 18.0 | 3 | MMK15 335K50B05L4 BULK |
| 3.9 | B10 | 6.5 | 12.5 | 18.0 | 3 | MMK15 395K50B10L4 BULK |
| 4.7 | B06 | 7.5 | 14.5 | 18.0 | 3 | MMK15 475K50B06L4 BULK |
| 5.6 | B06 | 7.5 | 14.5 | 18.0 | 3 | MMK15 565K50B06L4 BULK |
| 6.8 | B12 | 8.0 | 15.0 | 18.0 | 3 | MMK15 685K50B12L4 BULK |
| 8.2 | B11 | 8.5 | 16.0 | 18.0 | 3 | MMK15 825K50B11L4 BULK |
| 10.0 | B14 | 9.5 | 17.5 | 18.0 | 3 | MMK15 106K50B14L4 BULK |

ARTICLE TABLE

| 63 VDC/40 VAC | | | | | | | 63 VDC/40 VAC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|-----|-----|----------|-----|----|----------------------|---------------|-----------|--------------|-----|-----|-----|-------------|------|--------|-------------|------|-------|----------------------|-----|-----------|---------------------|----|--------|-------------|------|-------|-----|-----|------|------|----|--------|-------------|------|-------|-----|-----|-----|------|----|--------|-------------|------|-------|-----|-----|-----|------|----|--------|-------------|------|-------|-----|-----|-----|------|----|--------|-------------|------|-------|-----|-----|-----|------|----|--------|-------------|------|-------|-----|-----|-----|------|----|--------|-------------|------|------|-----|-----|-----|------|----|--------|-------------|------|------|-----|-----|-----|------|----|--------|-------------|------|------|-----|-----|-----|------|----|--------|-------------|------|------|-----|-----|-----|------|----|--------|-------------|------|------|-----|-----|-----|------|----|--------|-------------|------|------|-----|-----|-----|------|----|--------|-------------|------|------|-----|-----|-----|------|----|--------|-------------|------|------|-----|-----|-----|------|----|--------|-------------|------|------|-----|-----|-----|------|----|--------|-------------|------|------|-----|-----|------|------|----|--------|-------------|------|------|-----|-----|------|------|----|--------|-------------|------|------|-----|-----|------|------|----|--------|-------------|------|-----|-----|-----|------|------|----|--------|-------------|------|-----|-----|-----|------|------|----|--------|-------------|------|-----|-----|-----|------|------|----|--------|-------------|------|
| Capacitance | | | Box code | | | Max dimensions in mm | | Max dU/dt | Article code | | | | Capacitance | | | Box code | | | Max dimensions in mm | | Max dU/dt | Article code | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| µF | | | B | H | L | V/µs | | µF | | | B | H | L | V/µs | | µF | | | B | H | L | V/µs | | µF | | | B | H | L | V/µs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LEAD SPACING 5 MM | | | | | | | | | | | | | | | | | | | | | | LEAD SPACING 7.5 MM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0010 | J01 | 2.5 | 6.5 | 7.2 | 25 | MMK5 | 102K63J01L4 | BULK | 0.022 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 223K63K00L4 | BULK | 0.027 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 273K63K00L4 | BULK | 0.033 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 333K63K00L4 | BULK | 0.039 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 393K63K00L4 | BULK | 0.047 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 473K63K00L4 | BULK | 0.056 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 563K63K00L4 | BULK | 0.068 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 683K63K00L4 | BULK | 0.082 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 823K63K00L4 | BULK | 0.10 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 104K63K00L4 | BULK | 0.12 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 124K63K00L4 | BULK | 0.15 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 154K63K00L4 | BULK | 0.18 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 184K63K00L4 | BULK | 0.22 | K01 | 4.0 | 8.0 | 10.0 | 10 | MMK7.5 | 224K63K01L4 | BULK | 0.27 | K01 | 4.0 | 8.0 | 10.0 | 10 | MMK7.5 | 274K63K01L4 | BULK | 0.33 | K01 | 4.0 | 8.0 | 10.0 | 10 | MMK7.5 | 334K63K01L4 | BULK | 0.39 | K01 | 4.0 | 8.0 | 10.0 | 10 | MMK7.5 | 394K63K01L4 | BULK | 0.47 | K01 | 4.0 | 8.0 | 10.0 | 10 | MMK7.5 | 474K63K01L4 | BULK | 0.56 | K03 | 5.0 | 11.0 | 10.0 | 10 | MMK7.5 | 564K63K03L4 | BULK | 0.68 | K03 | 5.0 | 11.0 | 10.0 | 10 | MMK7.5 | 684K63K03L4 | BULK | 0.82 | K03 | 5.0 | 11.0 | 10.0 | 10 | MMK7.5 | 824K63K03L4 | BULK | 1.0 | K03 | 5.0 | 11.0 | 10.0 | 10 | MMK7.5 | 105K63K03L4 | BULK | 1.2 | K04 | 6.0 | 12.0 | 10.5 | 10 | MMK7.5 | 125K63K04L4 | BULK | 1.5 | K04 | 6.0 | 12.0 | 10.5 | 10 | MMK7.5 | 155K63K04L4 | BULK |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|-----|-----|-----|------|---|-------|-------------|------|--------|-----|-----|-----|------|---|-------|-------------|------|--------|-----|-----|-----|------|---|-------|-------------|------|--------|-----|-----|-----|------|---|-------|-------------|------|--------|-----|-----|-----|------|---|-------|-------------|------|--------|-----|-----|-----|------|---|-------|-------------|------|--------|-----|-----|-----|------|---|-------|-------------|------|--------|-----|-----|-----|------|---|-------|-------------|------|--------|-----|-----|-----|------|---|-------|-------------|------|--------|-----|-----|-----|------|---|-------|-------------|------|--------|-----|-----|-----|------|---|-------|-------------|------|--------|-----|-----|-----|------|---|-------|-------------|------|--------|-----|-----|-----|------|---|-------|-------------|------|-------|-----|-----|-----|------|---|-------|-------------|------|-------|-----|-----|-----|------|---|-------|-------------|------|-------|-----|-----|-----|------|---|-------|-------------|------|-------|-----|-----|-----|------|---|-------|-------------|------|-------|-----|-----|-----|------|---|-------|-------------|------|-------|-----|-----|-----|------|---|-------|-------------|------|-------|-----|-----|-----|------|---|-------|-------------|------|-------|-----|-----|-----|------|---|-------|-------------|------|-------|-----|-----|-----|------|---|-------|-------------|------|-------|-----|-----|-----|------|---|-------|-------------|------|-------|-----|-----|-----|------|---|-------|-------------|------|-------|-----|-----|-----|------|---|-------|-------------|------|------|-----|-----|-----|------|---|-------|-------------|------|------|-----|-----|-----|------|---|-------|-------------|------|------|-----|-----|-----|------|---|-------|-------------|------|------|-----|-----|-----|------|---|-------|-------------|------|------|-----|-----|-----|------|---|-------|-------------|------|------|-----|-----|-----|------|---|-------|-------------|------|------|-----|-----|-----|------|---|-------|-------------|------|------|-----|-----|-----|------|---|-------|-------------|------|------|-----|-----|-----|------|---|-------|-------------|------|
| LEAD SPACING 10 MM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0010 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 102K63A01L4 | BULK | 0.0012 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 122K63A01L4 | BULK | 0.0015 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 152K63A01L4 | BULK | 0.0018 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 182K63A01L4 | BULK | 0.0022 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 222K63A01L4 | BULK | 0.0027 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 272K63A01L4 | BULK | 0.0033 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 332K63A01L4 | BULK | 0.0039 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 392K63A01L4 | BULK | 0.0047 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 472K63A01L4 | BULK | 0.0056 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 562K63A01L4 | BULK | 0.0068 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 682K63A01L4 | BULK | 0.0078 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 782K63A01L4 | BULK | 0.0082 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 822K63A01L4 | BULK | 0.010 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 103K63A01L4 | BULK | 0.012 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 123K63A01L4 | BULK | 0.015 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 153K63A01L4 | BULK | 0.018 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 183K63A01L4 | BULK | 0.022 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 223K63A01L4 | BULK | 0.027 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 273K63A01L4 | BULK | 0.033 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 333K63A01L4 | BULK | 0.039 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 393K63A01L4 | BULK | 0.047 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 473K63A01L4 | BULK | 0.056 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 563K63A01L4 | BULK | 0.068 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 683K63A01L4 | BULK | 0.082 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 823K63A01L4 | BULK | 0.10 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 104K63A01L4 | BULK | 0.12 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 124K63A01L4 | BULK | 0.15 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 154K63A01L4 | BULK | 0.18 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 184K63A01L4 | BULK | 0.22 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 224K63A01L4 | BULK | 0.27 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 274K63A01L4 | BULK | 0.33 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 334K63A01L4 | BULK | 0.39 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 394K63A01L4 | BULK | 0.47 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 | 474K63A01L4 | BULK |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|-----|-----|-----|------|----|--------|-------------|------|--------|-----|-----|-----|------|----|--------|-------------|------|--------|-----|-----|-----|------|----|--------|-------------|------|--------|-----|-----|-----|------|----|--------|-------------|------|--------|-----|-----|-----|------|----|--------|-------------|------|--------|-----|-----|-----|------|----|--------|-------------|------|--------|-----|-----|-----|------|----|--------|-------------|------|--------|-----|-----|-----|------|----|--------|-------------|------|--------|-----|-----|-----|------|----|--------|-------------|------|--------|-----|-----|-----|------|----|--------|-------------|------|--------|-----|-----|-----|------|----|--------|-------------|------|--------|-----|-----|-----|------|----|--------|-------------|------|-------|-----|-----|-----|------|----|--------|-------------|------|-------|-----|-----|-----|------|----|--------|-------------|------|-------|-----|-----|-----|------|----|--------|-------------|------|-------|-----|-----|-----|------|----|--------|-------------|------|
| LEAD SPACING 7.5 MM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0010 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 102K63K00L4 | BULK | 0.0012 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 122K63K00L4 | BULK | 0.0015 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 152K63K00L4 | BULK | 0.0018 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 182K63K00L4 | BULK | 0.0022 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 222K63K00L4 | BULK | 0.0027 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 272K63K00L4 | BULK | 0.0033 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 332K63K00L4 | BULK | 0.0039 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 392K63K00L4 | BULK | 0.0047 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 472K63K00L4 | BULK | 0.0056 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 562K63K00L4 | BULK | 0.0068 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 682K63K00L4 | BULK | 0.0082 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 822K63K00L4 | BULK | 0.010 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 103K63K00L4 | BULK | 0.012 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 123K63K00L4 | BULK | 0.015 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 153K63K00L4 | BULK | 0.018 | K00 | 2.5 | 6.0 | 10.0 | 10 | MMK7.5 | 183K63K00L4 | BULK |

ARTICLE TABLE

| Capacitance µF | Box code | Max dimensions in mm | | | Max dU/dt V/µs | Article code | | Capacitance µF | Box code | Max dimensions in mm | | | Max dU/dt V/µs | Article code |
|-----------------------------|----------|----------------------|------|------|-------------------|--------------------------|-----------------------------|-------------------|----------|----------------------|------|----|--------------------------|--------------|
| | | B | H | L | | | | | | B | H | L | | |
| 63 VDC/40 VAC | | | | | | | 63 VDC/40 VAC | | | | | | | |
| LEAD SPACING 10 MM | | | | | | | LEAD SPACING 37.5 MM | | | | | | | |
| 0.56 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 564K63A01L4 BULK | 27 | R05 | 13.0 | 24.0 | 41.0 | 1 | MMK37.5 276K63R05L4 TRAY | |
| 0.68 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 684K63A01L4 BULK | 33 | R04 | 15.0 | 26.0 | 41.0 | 1 | MMK37.5 336K63R04L4 TRAY | |
| 0.82 | A01 | 4.0 | 9.0 | 13.0 | 8 | MMK10 824K63A01L4 BULK | 39 | R04 | 15.0 | 26.0 | 41.0 | 1 | MMK37.5 396K63R04L4 TRAY | |
| 1.0 | A02 | 4.5 | 10.5 | 13.0 | 8 | MMK10 105K63A02L4 BULK | 47 | R02 | 16.5 | 32.0 | 41.0 | 1 | MMK37.5 476K63R02L4 TRAY | |
| 1.2 | A02 | 4.5 | 10.5 | 13.0 | 8 | MMK10 125K63A02L4 BULK | 56 | R03 | 19.0 | 36.0 | 41.0 | 1 | MMK37.5 566K63R03L4 TRAY | |
| 1.5 | A03 | 5.0 | 11.0 | 13.0 | 8 | MMK10 155K63A03L4 BULK | 68 | R03 | 19.0 | 36.0 | 41.0 | 1 | MMK37.5 686K63R03L4 TRAY | |
| 1.8 | A04 | 6.0 | 12.0 | 13.0 | 8 | MMK10 185K63A04L4 BULK | 82 | R06 | 21.0 | 38.0 | 41.0 | 1 | MMK37.5 826K63R06L4 TRAY | |
| 2.2 | A04 | 6.0 | 12.0 | 13.0 | 8 | MMK10 225K63A04L4 BULK | | | | | | | | |
| LEAD SPACING 15 MM | | | | | | | 100 VDC/63 VAC | | | | | | | |
| LEAD SPACING 5 MM | | | | | | | LEAD SPACING 5 MM | | | | | | | |
| 0.68 | B04 | 5.5 | 10.5 | 18.0 | 5 | MMK15 684K63B04L4 BULK | 0.0010 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 102K100J01L4 BULK | |
| 0.82 | B04 | 5.5 | 10.5 | 18.0 | 5 | MMK15 824K63B04L4 BULK | 0.0012 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 122K100J01L4 BULK | |
| 1.0 | B04 | 5.5 | 10.5 | 18.0 | 5 | MMK15 105K63B04L4 BULK | 0.0015 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 152K100J01L4 BULK | |
| 1.2 | B04 | 5.5 | 10.5 | 18.0 | 5 | MMK15 125K63B04L4 BULK | 0.0018 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 182K100J01L4 BULK | |
| 1.5 | B04 | 5.5 | 10.5 | 18.0 | 5 | MMK15 155K63B04L4 BULK | 0.0022 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 222K100J01L4 BULK | |
| 1.8 | B04 | 5.5 | 10.5 | 18.0 | 5 | MMK15 185K63B04L4 BULK | 0.0027 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 272K100J01L4 BULK | |
| 2.0 | B05 | 5.5 | 12.5 | 18.0 | 5 | MMK15 205K63B05L4 BULK | 0.0033 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 332K100J01L4 BULK | |
| 2.2 | B05 | 5.5 | 12.5 | 18.0 | 5 | MMK15 225K63B05L4 BULK | 0.0039 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 392K100J01L4 BULK | |
| 2.7 | B10 | 6.5 | 12.5 | 18.0 | 5 | MMK15 275K63B10L4 BULK | 0.0047 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 472K100J01L4 BULK | |
| 3.3 | B10 | 6.5 | 12.5 | 18.0 | 5 | MMK15 335K63B10L4 BULK | 0.0056 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 562K100J01L4 BULK | |
| 3.9 | B06 | 7.5 | 14.5 | 18.0 | 5 | MMK15 395K63B06L4 BULK | 0.0068 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 682K100J01L4 BULK | |
| 4.7 | B06 | 7.5 | 14.5 | 18.0 | 5 | MMK15 475K63B06L4 BULK | 0.0082 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 822K100J01L4 BULK | |
| 5.6 | B11 | 8.5 | 16.0 | 18.0 | 5 | MMK15 565K63B11L4 BULK | 0.010 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 103K100J01L4 BULK | |
| 6.8 | B14 | 9.5 | 17.5 | 18.0 | 5 | MMK15 685K63B14L4 BULK | 0.012 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 123K100J01L4 BULK | |
| LEAD SPACING 22.5 MM | | | | | | | LEAD SPACING 22.5 MM | | | | | | | |
| 3.3 | D13 | 6.5 | 14.5 | 26.0 | 3 | MMK22.5 335K63D13L4 TRAY | 0.015 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 153K100J01L4 BULK | |
| 3.9 | D13 | 6.5 | 14.5 | 26.0 | 3 | MMK22.5 395K63D13L4 TRAY | 0.018 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 183K100J01L4 BULK | |
| 4.7 | D13 | 6.5 | 14.5 | 26.0 | 3 | MMK22.5 475K63D13L4 TRAY | 0.022 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 223K100J01L4 BULK | |
| 5.6 | D17 | 7.0 | 16.5 | 26.0 | 3 | MMK22.5 565K63D17L4 TRAY | 0.027 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 273K100J01L4 BULK | |
| 6.8 | D17 | 7.0 | 16.5 | 26.0 | 3 | MMK22.5 685K63D17L4 TRAY | 0.033 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 333K100J01L4 BULK | |
| 8.2 | D14 | 8.0 | 16.0 | 26.0 | 3 | MMK22.5 825K63D14L4 TRAY | 0.039 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 393K100J01L4 BULK | |
| 10 | D15 | 9.0 | 18.5 | 26.0 | 3 | MMK22.5 106K63D15L4 TRAY | 0.047 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 473K100J01L4 BULK | |
| 12 | D18 | 10.5 | 19.0 | 26.0 | 3 | MMK22.5 126K63D18L4 TRAY | 0.056 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 563K100J01L4 BULK | |
| 15 | D16 | 11.0 | 21.5 | 26.0 | 3 | MMK22.5 156K63D16L4 TRAY | 0.068 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 683K100J01L4 BULK | |
| 18 | D20 | 13.5 | 23.0 | 26.0 | 3 | MMK22.5 186K63D20L4 TRAY | 0.082 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 823K100J01L4 BULK | |
| 22 | D19 | 15.5 | 24.5 | 26.0 | 3 | MMK22.5 226K63D19L4 TRAY | 0.10 | J01 | 2.5 | 6.5 | 7.2 | 30 | MMK5 104K100J01L4 BULK | |
| LEAD SPACING 27.5 MM | | | | | | | LEAD SPACING 27.5 MM | | | | | | | |
| 8.2 | F11 | 10.5 | 20.5 | 31.5 | 2 | MMK27.5 825K63F11L4 TRAY | 0.12 | J02 | 3.5 | 8.0 | 7.2 | 30 | MMK5 124K100J02L4 BULK | |
| 10 | F11 | 10.5 | 20.5 | 31.5 | 2 | MMK27.5 106K63F11L4 TRAY | 0.15 | J02 | 3.5 | 8.0 | 7.2 | 30 | MMK5 154K100J02L4 BULK | |
| 12 | F11 | 10.5 | 20.5 | 31.5 | 2 | MMK27.5 126K63F11L4 TRAY | 0.18 | J02 | 3.5 | 8.0 | 7.2 | 30 | MMK5 184K100J02L4 BULK | |
| 15 | F12 | 11.5 | 22.5 | 31.5 | 2 | MMK27.5 156K63F12L4 TRAY | 0.22 | J02 | 3.5 | 8.0 | 7.2 | 30 | MMK5 224K100J02L4 BULK | |
| 15 | F17 | 21.0 | 12.5 | 31.5 | 2 | MMK27.5 156K63F17L4 TRAY | 0.27 | J03 | 4.5 | 9.0 | 7.2 | 30 | MMK5 274K100J03L4 BULK | |
| 18 | F12 | 11.5 | 22.5 | 31.5 | 2 | MMK27.5 186K63F12L4 TRAY | 0.33 | J03 | 4.5 | 9.0 | 7.2 | 30 | MMK5 334K100J03L4 BULK | |
| 22 | F13 | 14.5 | 24.5 | 31.5 | 2 | MMK27.5 226K63F13L4 TRAY | 0.39 | J04 | 5.0 | 10.0 | 7.2 | 30 | MMK5 394K100J04L4 BULK | |
| 27 | F14 | 17.5 | 28.0 | 31.5 | 2 | MMK27.5 276K63F14L4 TRAY | 0.47 | J04 | 5.0 | 10.0 | 7.2 | 30 | MMK5 474K100J04L4 BULK | |
| 33 | F14 | 17.5 | 28.0 | 31.5 | 2 | MMK27.5 336K63F14L4 TRAY | 0.56 | J05 | 6.0 | 11.0 | 7.2 | 30 | MMK5 564K100J05L4 BULK | |
| 33 | F19 | 27.5 | 16.0 | 31.5 | 2 | MMK27.5 336K63F19L4 TRAY | 0.68 | J05 | 6.0 | 11.0 | 7.2 | 30 | MMK5 684K100J05L4 BULK | |
| 39 | F15 | 19.0 | 29.0 | 31.5 | 2 | MMK27.5 396K63F15L4 TRAY | 0.82 | J06 | 7.2 | 13.0 | 7.2 | 30 | MMK5 824K100J06L4 BULK | |
| 47 | F16 | 21.0 | 30.0 | 31.5 | 2 | MMK27.5 476K63F16L4 TRAY | 1.0 | J06 | 7.2 | 13.0 | 7.2 | 30 | MMK5 105K100J06L4 BULK | |
| 47 | F18 | 31.0 | 19.0 | 31.5 | 2 | MMK27.5 476K63F18L4 TRAY | | | | | | | | |
| LEAD SPACING 7.5 MM | | | | | | | LEAD SPACING 7.5 MM | | | | | | | |
| | | | | | | | 0.0010 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 102K100K00L4 BULK | |
| | | | | | | | 0.0012 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 122K100K00L4 BULK | |
| | | | | | | | 0.0015 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 152K100K00L4 BULK | |
| | | | | | | | 0.0018 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 182K100K00L4 BULK | |
| | | | | | | | 0.0022 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 222K100K00L4 BULK | |
| | | | | | | | 0.0027 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 272K100K00L4 BULK | |
| | | | | | | | 0.0033 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 332K100K00L4 BULK | |
| | | | | | | | 0.0039 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 392K100K00L4 BULK | |
| | | | | | | | 0.0047 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 472K100K00L4 BULK | |
| | | | | | | | 0.0056 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 562K100K00L4 BULK | |

ARTICLE TABLE

| Capacitance μF | Box code | Max dimensions in mm | | | Max dU/dt V/ μs | Article code | | Capacitance μF | Box code | Max dimensions in mm | | | Max dU/dt V/ μs | Article code |
|------------------------------|----------|----------------------|------|------|-------------------------------|--------------------------|-----------------------------|------------------------------|----------|----------------------|------|----|-------------------------------|--------------|
| | | B | H | L | | | | | | B | H | L | | |
| 630 VDC/220 VAC | | | | | | | 630 VDC/220 VAC | | | | | | | |
| LEAD SPACING 7.5 MM | | | | | | | LEAD SPACING 15 MM | | | | | | | |
| 0.0010 | K00 | 2.5 | 6.0 | 10.0 | 60 | MMK7.5 102K630K00L4 BULK | 0.15 | B06 | 7.5 | 14.5 | 18.0 | 25 | MMK15 154K630B06L4 BULK | |
| 0.0012 | K00 | 2.5 | 6.0 | 10.0 | 60 | MMK7.5 122K630K00L4 BULK | 0.18 | B12 | 8.0 | 15.0 | 18.0 | 25 | MMK15 184K630B12L4 BULK | |
| 0.0015 | K00 | 2.5 | 6.0 | 10.0 | 60 | MMK7.5 152K630K00L4 BULK | 0.22 | B14 | 9.5 | 17.5 | 18.0 | 25 | MMK15 224K630B14L4 BULK | |
| 0.0018 | K00 | 2.5 | 6.0 | 10.0 | 60 | MMK7.5 182K630K00L4 BULK | LEAD SPACING 22.5 MM | | | | | | | |
| 0.0022 | K00 | 2.5 | 6.0 | 10.0 | 60 | MMK7.5 222K630K00L4 BULK | 0.082 | D13 | 6.5 | 14.5 | 26.0 | 12 | MMK22.5 823K630D13L4 TRAY | |
| 0.0027 | K00 | 2.5 | 6.0 | 10.0 | 60 | MMK7.5 272K630K00L4 BULK | 0.10 | D13 | 6.5 | 14.5 | 26.0 | 12 | MMK22.5 104K630D13L4 TRAY | |
| 0.0033 | K00 | 2.5 | 6.0 | 10.0 | 60 | MMK7.5 332K630K00L4 BULK | 0.12 | D13 | 6.5 | 14.5 | 26.0 | 12 | MMK22.5 124K630D13L4 TRAY | |
| 0.0039 | K00 | 2.5 | 6.0 | 10.0 | 60 | MMK7.5 392K630K00L4 BULK | 0.15 | D13 | 6.5 | 14.5 | 26.0 | 12 | MMK22.5 154K630D13L4 TRAY | |
| 0.0047 | K01 | 4.0 | 8.0 | 10.0 | 60 | MMK7.5 472K630K01L4 BULK | 0.18 | D17 | 7.0 | 16.5 | 26.0 | 12 | MMK22.5 184K630D17L4 TRAY | |
| 0.0056 | K01 | 4.0 | 8.0 | 10.0 | 60 | MMK7.5 562K630K01L4 BULK | 0.22 | D17 | 7.0 | 16.5 | 26.0 | 12 | MMK22.5 224K630D17L4 TRAY | |
| 0.0068 | K01 | 4.0 | 8.0 | 10.0 | 60 | MMK7.5 682K630K01L4 BULK | 0.27 | D14 | 8.0 | 16.0 | 26.0 | 12 | MMK22.5 274K630D14L4 TRAY | |
| 0.0082 | K01 | 4.0 | 8.0 | 10.0 | 60 | MMK7.5 822K630K01L4 BULK | 0.33 | D15 | 9.0 | 18.5 | 26.0 | 12 | MMK22.5 334K630D15L4 TRAY | |
| 0.010 | K01 | 4.0 | 8.0 | 10.0 | 60 | MMK7.5 103K630K01L4 BULK | 0.39 | D18 | 10.5 | 19.0 | 26.0 | 12 | MMK22.5 394K630D18L4 TRAY | |
| 0.012 | K01 | 4.0 | 8.0 | 10.0 | 60 | MMK7.5 123K630K01L4 BULK | 0.47 | D16 | 11.0 | 21.5 | 26.0 | 12 | MMK22.5 474K630D16L4 TRAY | |
| 0.015 | K03 | 5.0 | 11.0 | 10.0 | 60 | MMK7.5 153K630K03L4 BULK | 0.56 | D20 | 13.5 | 23.0 | 26.0 | 12 | MMK22.5 564K630D20L4 TRAY | |
| 0.018 | K03 | 5.0 | 11.0 | 10.0 | 60 | MMK7.5 183K630K03L4 BULK | 0.68 | D20 | 13.5 | 23.0 | 26.0 | 12 | MMK22.5 684K630D20L4 TRAY | |
| 0.022 | K03 | 5.0 | 11.0 | 10.0 | 60 | MMK7.5 223K630K03L4 BULK | 0.82 | D19 | 15.5 | 24.5 | 26.0 | 12 | MMK22.5 824K630D19L4 TRAY | |
| 0.027 | K03 | 5.0 | 11.0 | 10.0 | 60 | MMK7.5 273K630K03L4 BULK | LEAD SPACING 27.5 MM | | | | | | | |
| 0.033 | K04 | 6.0 | 12.0 | 10.5 | 60 | MMK7.5 333K630K04L4 BULK | 0.33 | F11 | 10.5 | 20.5 | 31.5 | 10 | MMK27.5 334K630F11L4 TRAY | |
| 0.039 | K04 | 6.0 | 12.0 | 10.5 | 60 | MMK7.5 393K630K04L4 BULK | 0.39 | F11 | 10.5 | 20.5 | 31.5 | 10 | MMK27.5 394K630F11L4 TRAY | |
| LEAD SPACING 10 MM | | | | | | | 0.47 | F11 | 10.5 | 20.5 | 31.5 | 10 | MMK27.5 474K630F11L4 TRAY | |
| 0.0010 | A01 | 4.0 | 9.0 | 13.0 | 40 | MMK10 102K630A01L4 BULK | 0.56 | F11 | 10.5 | 20.5 | 31.5 | 10 | MMK27.5 564K630F11L4 TRAY | |
| 0.0012 | A01 | 4.0 | 9.0 | 13.0 | 40 | MMK10 122K630A01L4 BULK | 0.56 | F17 | 21.0 | 12.5 | 31.5 | 10 | MMK27.5 564K630F17L4 TRAY | |
| 0.0015 | A01 | 4.0 | 9.0 | 13.0 | 40 | MMK10 152K630A01L4 BULK | 0.68 | F12 | 11.5 | 22.5 | 31.5 | 10 | MMK27.5 684K630F12L4 TRAY | |
| 0.0018 | A01 | 4.0 | 9.0 | 13.0 | 40 | MMK10 182K630A01L4 BULK | 0.82 | F03 | 13.5 | 23.0 | 31.5 | 10 | MMK27.5 824K630F03L4 TRAY | |
| 0.0022 | A01 | 4.0 | 9.0 | 13.0 | 40 | MMK10 222K630A01L4 BULK | 1.0 | F13 | 14.5 | 24.5 | 31.5 | 10 | MMK27.5 105K630F13L4 TRAY | |
| 0.0027 | A01 | 4.0 | 9.0 | 13.0 | 40 | MMK10 272K630A01L4 BULK | 1.2 | F14 | 17.5 | 28.0 | 31.5 | 10 | MMK27.5 125K630F14L4 TRAY | |
| 0.0033 | A01 | 4.0 | 9.0 | 13.0 | 40 | MMK10 332K630A01L4 BULK | 1.5 | F14 | 17.5 | 28.0 | 31.5 | 10 | MMK27.5 155K630F14L4 TRAY | |
| 0.0039 | A01 | 4.0 | 9.0 | 13.0 | 40 | MMK10 392K630A01L4 BULK | 1.5 | F19 | 27.5 | 16.0 | 31.5 | 10 | MMK27.5 155K630F19L4 TRAY | |
| 0.0047 | A01 | 4.0 | 9.0 | 13.0 | 40 | MMK10 472K630A01L4 BULK | 1.8 | F15 | 19.0 | 29.0 | 31.5 | 10 | MMK27.5 185K630F15L4 TRAY | |
| 0.0056 | A01 | 4.0 | 9.0 | 13.0 | 40 | MMK10 562K630A01L4 BULK | 2.2 | F16 | 21.0 | 30.0 | 31.5 | 10 | MMK27.5 225K630F16L4 TRAY | |
| 0.0068 | A01 | 4.0 | 9.0 | 13.0 | 40 | MMK10 682K630A01L4 BULK | 2.2 | F18 | 31.0 | 19.0 | 31.5 | 10 | MMK27.5 225K630F18L4 TRAY | |
| 0.0078 | A01 | 4.0 | 9.0 | 13.0 | 40 | MMK10 782K630A01L4 BULK | LEAD SPACING 37.5 MM | | | | | | | |
| 0.0082 | A01 | 4.0 | 9.0 | 13.0 | 40 | MMK10 822K630A01L4 BULK | 0.82 | R05 | 13.0 | 24.0 | 41.0 | 8 | MMK37.5 824K630R05L4 TRAY | |
| 0.010 | A01 | 4.0 | 9.0 | 13.0 | 40 | MMK10 103K630A01L4 BULK | 1.0 | R05 | 13.0 | 24.0 | 41.0 | 8 | MMK37.5 105K630R05L4 TRAY | |
| 0.012 | A01 | 4.0 | 9.0 | 13.0 | 40 | MMK10 123K630A01L4 BULK | 1.2 | R05 | 13.0 | 24.0 | 41.0 | 8 | MMK37.5 125K630R05L4 TRAY | |
| 0.015 | A01 | 4.0 | 9.0 | 13.0 | 40 | MMK10 153K630A01L4 BULK | 1.5 | R04 | 15.0 | 26.0 | 41.0 | 8 | MMK37.5 155K630R04L4 TRAY | |
| 0.018 | A01 | 4.0 | 9.0 | 13.0 | 40 | MMK10 183K630A01L4 BULK | 1.8 | R04 | 15.0 | 26.0 | 41.0 | 8 | MMK37.5 185K630R04L4 TRAY | |
| 0.022 | A01 | 4.0 | 9.0 | 13.0 | 40 | MMK10 223K630A01L4 BULK | 2.2 | R02 | 16.5 | 32.0 | 41.0 | 8 | MMK37.5 225K630R02L4 TRAY | |
| 0.027 | A02 | 4.5 | 10.5 | 13.0 | 40 | MMK10 273K630A02L4 BULK | 2.7 | R03 | 19.0 | 36.0 | 41.0 | 8 | MMK37.5 275K630R03L4 TRAY | |
| 0.033 | A02 | 4.5 | 10.5 | 13.0 | 40 | MMK10 333K630A02L4 BULK | 3.3 | R03 | 19.0 | 36.0 | 41.0 | 8 | MMK37.5 335K630R03L4 TRAY | |
| 0.039 | A03 | 5.0 | 11.0 | 13.0 | 40 | MMK10 393K630A03L4 BULK | 3.9 | R06 | 21.0 | 38.0 | 41.0 | 8 | MMK37.5 395K630R06L4 TRAY | |
| 0.047 | A04 | 6.0 | 12.0 | 13.0 | 40 | MMK10 473K630A04L4 BULK | 4.7 | R06 | 21.0 | 38.0 | 41.0 | 8 | MMK37.5 475K630R06L4 TRAY | |
| 0.056 | A04 | 6.0 | 12.0 | 13.0 | 40 | MMK10 563K630A04L4 BULK | 5.6 | R08 | 28.0 | 43.0 | 41.0 | 8 | MMK37.5 565K630R08L4 TRAY | |
| LEAD SPACING 15 MM | | | | | | | 6.8 | R08 | 28.0 | 43.0 | 41.0 | 8 | MMK37.5 685K630R08L4 TRAY | |
| 0.027 | B04 | 5.5 | 10.5 | 18.0 | 25 | MMK15 273K630B04L4 BULK | | | | | | | | |
| 0.033 | B04 | 5.5 | 10.5 | 18.0 | 25 | MMK15 333K630B04L4 BULK | | | | | | | | |
| 0.039 | B04 | 5.5 | 10.5 | 18.0 | 25 | MMK15 393K630B04L4 BULK | | | | | | | | |
| 0.047 | B04 | 5.5 | 10.5 | 18.0 | 25 | MMK15 473K630B04L4 BULK | | | | | | | | |
| 0.056 | B04 | 5.5 | 10.5 | 18.0 | 25 | MMK15 563K630B04L4 BULK | | | | | | | | |
| 0.068 | B05 | 5.5 | 12.5 | 18.0 | 25 | MMK15 683K630B05L4 BULK | | | | | | | | |
| 0.082 | B10 | 6.5 | 12.5 | 18.0 | 25 | MMK15 823K630B10L4 BULK | | | | | | | | |
| 0.10 | B10 | 6.5 | 12.5 | 18.0 | 25 | MMK15 104K630B10L4 BULK | | | | | | | | |
| 0.12 | B06 | 7.5 | 14.5 | 18.0 | 25 | MMK15 124K630B06L4 BULK | | | | | | | | |

