

## MPK SERIES

### Miniaturized

- Miniaturized, Low height.
- Low buzz.
- Coated with flame-retardant (UL94 V-0) epoxy resin.

RoHS  
compliance



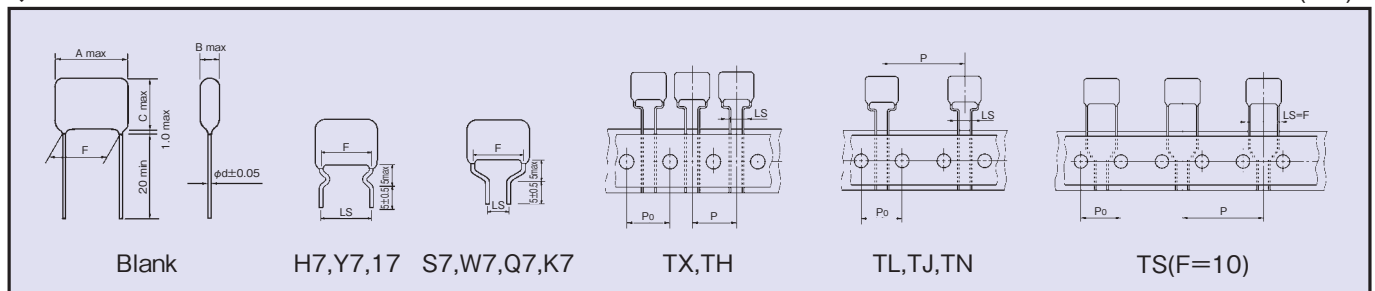
### ◆SPECIFICATIONS

|                                 |                                           |
|---------------------------------|-------------------------------------------|
| Category Temperature Range      | -40~+105℃※                                |
| Rated Voltage (U <sub>R</sub> ) | 450Vdc, 630Vdc, 800Vdc                    |
| Capacitance Tolerance           | ±5%(J), ±10%(K)                           |
| tanδ                            | 0.001max at 1kHz                          |
| Voltage Proof                   | U <sub>R</sub> ×150% 60s                  |
| Insulation Resistance           | C≤0.33μF:25000MΩmin<br>C>0.33μF:7500ΩFmin |
| Reference Standard              | JIS C 5101-16, JIS C 5101-1               |

※Derate the voltage as shown CAUTION FOR PROPER USE OF FILM CAPACITORS when using the capacitor beyond 85℃

### ◆DIMENSIONS

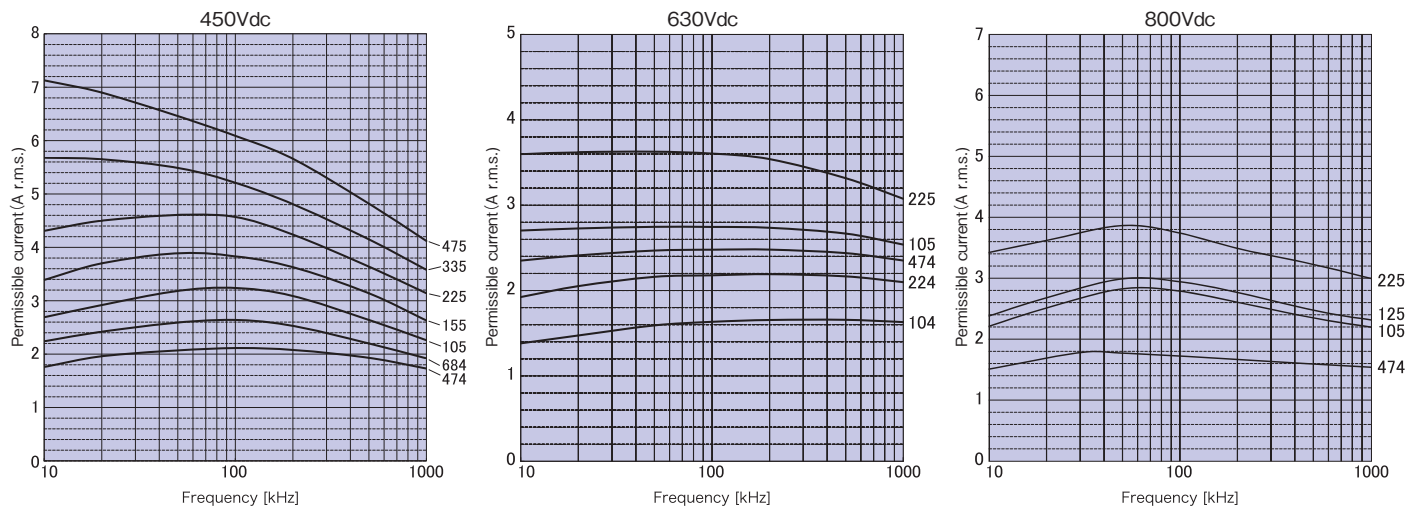
(mm)



### ◆PART NUMBER

□□□ Rated Voltage   
 MPK Series   
 □□□ Capacitance   
 □ Capacitance Tolerance   
 □□□ Option   
 □□ Lead Forming

### ◆PERMISSIBLE CURRENT FOR FREQUENCY



**◆STANDARD SIZE**

□ : Capacitance Tolerance    \*\* : Lead Forming

| Rated Voltage | Cap(μF) | Dimensions (mm) |      |      |           |                   |     | Typical Packaging Quantity (pcs) |        |                               |        |        |     |              | Part No.     |
|---------------|---------|-----------------|------|------|-----------|-------------------|-----|----------------------------------|--------|-------------------------------|--------|--------|-----|--------------|--------------|
|               |         |                 |      |      |           |                   |     | Long Lead type                   |        | Taping Ammo Pack Type - Style |        |        |     |              |              |
|               |         | A               | B    | C    | F±1.0     | LS±0.5            | d   | Bag                              | Carton | TC                            | TX, TH | TL, TJ | TN  | TS           |              |
| 450 Vdc       | 0.47    | 18.0            | 6.5  | 11.0 | 15.0      | 5.0/7.5/10.0/15.0 | 0.6 | 100                              | 2,000  | —                             | —      | 500    | 400 | —            | 450MPK474□** |
|               | 0.56    | 18.0            | 7.0  | 11.5 | 15.0      | 5.0/7.5/10.0/15.0 | 0.6 | 100                              | 2,000  | —                             | —      | 500    | 400 | —            | 450MPK564□** |
|               | 0.68    | 18.0            | 8.0  | 12.5 | 15.0      | 5.0/7.5/10.0/15.0 | 0.6 | 100                              | 2,000  | —                             | —      | 400    | 400 | —            | 450MPK684□** |
|               | 0.82    | 18.0            | 8.5  | 13.0 | 15.0      | 5.0/7.5/10.0/15.0 | 0.8 | 100                              | 2,000  | —                             | —      | 400    | 300 | —            | 450MPK824□** |
|               | 1       | 18.0            | 9.5  | 14.0 | 15.0      | 5.0/7.5/10.0/15.0 | 0.8 | 100                              | 1,000  | —                             | —      | 400    | 300 | —            | 450MPK105□** |
|               | 1.2     | 18.0            | 10.0 | 15.0 | 15.0      | 5.0/7.5/10.0/15.0 | 0.8 | 100                              | 1,000  | —                             | —      | —      | —   | —            | 450MPK125□** |
|               | 1.5     | 18.0            | 11.0 | 16.0 | 15.0      | 5.0/7.5/10.0/15.0 | 0.8 | 200                              | 1,000  | —                             | —      | —      | —   | —            | 450MPK155□** |
|               | 1.8     | 18.0            | 13.0 | 17.0 | 15.0      | 5.0/7.5/10.0/15.0 | 0.8 | 200                              | 1,000  | —                             | —      | —      | —   | —            | 450MPK185□** |
|               | 2.2     | 18.0            | 13.5 | 19.0 | 15.0      | 5.0/7.5/10.0/15.0 | 0.8 | 200                              | 1,000  | —                             | —      | —      | —   | —            | 450MPK225□** |
|               | 2.7     | 18.0            | 14.5 | 21.0 | 15.0      | 5.0/7.5/10.0/15.0 | 0.8 | 200                              | 800    | —                             | —      | —      | —   | —            | 450MPK275□** |
|               | 3.3     | 18.0            | 16.0 | 22.5 | 15.0      | 5.0/7.5/10.0/15.0 | 1.0 | 100                              | 500    | —                             | —      | —      | —   | —            | 450MPK335□** |
|               | 3.9     | 18.0            | 17.0 | 23.5 | 15.0      | 5.0/7.5/10.0/15.0 | 1.0 | 100                              | 500    | —                             | —      | —      | —   | —            | 450MPK395□** |
|               | 4.7     | 18.0            | 19.0 | 25.5 | 15.0      | 5.0/7.5/10.0/15.0 | 1.0 | 100                              | 500    | —                             | —      | —      | —   | —            | 450MPK475□** |
| 630 Vdc       | 0.1     | 13.0            | 8.0  | 13.0 | 10.0      | 5.0/7.5/10.0      | 0.6 | 100                              | 2,000  | —                             | 500    | 400    | —   | 400          | 630MPK104□** |
|               | 0.12    | 13.0            | 8.5  | 13.5 | 10.0      | 5.0/7.5/10.0      | 0.6 | 100                              | 2,000  | —                             | 500    | 400    | —   | 400          | 630MPK124□** |
|               | 0.15    | 13.0            | 9.0  | 14.5 | 10.0      | 5.0/7.5/10.0      | 0.6 | 100                              | 2,000  | —                             | 500    | 400    | —   | 400          | 630MPK154□** |
|               | 0.18    | 13.0            | 9.5  | 15.0 | 10.0      | 5.0/7.5/10.0      | 0.6 | 100                              | 2,000  | —                             | 500    | 300    | —   | 300          | 630MPK184□** |
|               | 0.22    | 13.0            | 10.5 | 15.5 | 10.0      | 5.0/7.5/10.0      | 0.6 | 100                              | 2,000  | —                             | 500    | 300    | —   | 300          | 630MPK224□** |
|               | 0.27    | 18.0            | 7.5  | 13.0 | 15.0      | 5.0/7.5/10.0/15.0 | 0.8 | 100                              | 2,000  | —                             | —      | 400    | 400 | —            | 630MPK274□** |
|               | 0.33    | 18.0            | 8.0  | 13.5 | 15.0      | 5.0/7.5/10.0/15.0 | 0.8 | 100                              | 1,000  | —                             | —      | 400    | 300 | —            | 630MPK334□** |
|               | 0.39    | 18.0            | 8.5  | 14.5 | 15.0      | 5.0/7.5/10.0/15.0 | 0.8 | 100                              | 1,000  | —                             | —      | 400    | 300 | —            | 630MPK394□** |
|               | 0.47    | 18.0            | 9.5  | 15.5 | 15.0      | 5.0/7.5/10.0/15.0 | 0.8 | 100                              | 1,000  | —                             | —      | 300    | 300 | —            | 630MPK474□** |
|               | 0.56    | 18.0            | 9.5  | 17.0 | 15.0      | 5.0/7.5/10.0/15.0 | 0.8 | 200                              | 1,000  | —                             | —      | 300    | 300 | —            | 630MPK564□** |
|               | 0.68    | 18.0            | 10.5 | 18.5 | 15.0      | 5.0/7.5/10.0/15.0 | 0.8 | 200                              | 1,000  | —                             | —      | 300    | —   | —            | 630MPK684□** |
|               | 0.82    | 25.5            | 9.0  | 16.5 | 22.5      | 15.0/22.5         | 0.8 | 200                              | 1,000  | —                             | —      | —      | —   | —            | 630MPK824□** |
|               | 1       | 25.5            | 10.0 | 17.0 | 22.5      | 15.0/22.5         | 0.8 | 200                              | 1,000  | —                             | —      | —      | —   | —            | 630MPK105□** |
|               | 1.2     | 25.5            | 10.5 | 19.0 | 22.5      | 15.0/22.5         | 0.8 | 200                              | 800    | —                             | —      | —      | —   | —            | 630MPK125□** |
|               | 1.5     | 25.5            | 11.0 | 20.0 | 22.5      | 15.0/22.5         | 0.8 | 100                              | 500    | —                             | —      | —      | —   | —            | 630MPK155□** |
| 1.8           | 25.5    | 12.0            | 21.0 | 22.5 | 15.0/22.5 | 0.8               | 100 | 500                              | —      | —                             | —      | —      | —   | 630MPK185□** |              |
| 2.2           | 25.5    | 13.0            | 23.0 | 22.5 | 15.0/22.5 | 0.8               | 100 | 500                              | —      | —                             | —      | —      | —   | 630MPK225□** |              |
| 800 Vdc       | 0.47    | 26.5            | 10.0 | 17.5 | 22.5      | 15.0/22.5         | 0.8 | 200                              | 800    | —                             | —      | —      | —   | —            | 800MPK474□** |
|               | 0.56    | 26.5            | 10.5 | 18.0 | 22.5      | 15.0/22.5         | 0.8 | 200                              | 800    | —                             | —      | —      | —   | —            | 800MPK564□** |
|               | 0.68    | 26.5            | 11.5 | 19.0 | 22.5      | 15.0/22.5         | 0.8 | 100                              | 500    | —                             | —      | —      | —   | —            | 800MPK684□** |
|               | 0.82    | 26.5            | 13.0 | 20.0 | 22.5      | 15.0/22.5         | 0.8 | 100                              | 500    | —                             | —      | —      | —   | —            | 800MPK824□** |
|               | 1       | 26.5            | 14.0 | 21.5 | 22.5      | 15.0/22.5         | 1.0 | 100                              | 500    | —                             | —      | —      | —   | —            | 800MPK105□** |
|               | 1.2     | 31.5            | 13.0 | 22.0 | 27.5      | —                 | 1.0 | 100                              | 400    | —                             | —      | —      | —   | —            | 800MPK125□** |
|               | 1.5     | 31.5            | 14.5 | 23.5 | 27.5      | —                 | 1.0 | 50                               | 400    | —                             | —      | —      | —   | —            | 800MPK155□** |
|               | 1.8     | 31.5            | 16.0 | 25.0 | 27.5      | —                 | 1.0 | 50                               | 300    | —                             | —      | —      | —   | —            | 800MPK185□** |
|               | 2.2     | 31.5            | 17.5 | 26.5 | 27.5      | —                 | 1.0 | 50                               | 300    | —                             | —      | —      | —   | —            | 800MPK225□** |