Main Application
Mainly used in switch type fan regulators.

Construction
Low inductive cell of metallized polypropylene film with internal fuses, coated with flame retardant epoxy resin.

Climatic Category
40/85/21

Maximum Operating Temperature
85°C

Capacitance Value
1.0µF-4.6µF

Capacitance Tolerance
±5%, ±10%

Rated Voltage
250VAC

Voltage Proof
Between the terminals: 640VDC for 2 sec.

\[ \tan \delta \leq 0.001 \text{ (max) at 1 kHz.} \]

Insulation Resistance
(Minimum insulation resistance) \( R_n \) measured at 100VDC for 1 minute.
(or) time constant \( T = C_n \times R_n \) > 7500 s
(at 25°C, relative humidity ≤70%)

Life Test Conditions
1. Endurance Test
Loaded at 1.1 times of rated voltage at 70°C for 500 hours.

After the Test
\( \Delta C/C \leq 5\% \) of initial value.
Increase of \( \tan \delta \) ≤0.004 of initial value at 1 kHz.
Insulation Resistance: \( \geq 50\% \) of the value mentioned in IR chart.

2. Switching Test
20,000 cycles of 4 step / 5 step switch type fan regulator.
(Input supply: 240 VAC, Load: Fan motor.)

After the Test
\( \Delta C/C \leq 5\% \) of initial value.
Increase of \( \tan \delta \) ≤0.004 of initial value at 1 kHz.
Insulation Resistance: \( \geq 50\% \) of the value mentioned in IR chart.

3. Lot to Lot Test
Loaded at 440 VAC at ambient temperature for 2 hours.

After the Test
\( \Delta C/C \leq 10\% \) of initial value.
Increase of \( \tan \delta \) ≤0.004 of initial value at 1 kHz.
Insulation Resistance: \( \geq 50\% \) of the value mentioned in IR chart.

### Ordering code and packing units: Metallized Polypropylene Film Capacitors

**MPP-Ultima • Series Code 44, 95**

<table>
<thead>
<tr>
<th>Rated Voltage</th>
<th>Rated Cap. (µF)</th>
<th>W (max)</th>
<th>H (max)</th>
<th>L (max)</th>
<th>d (±0.05)</th>
<th>S (±1.0)</th>
<th>Ordering Code</th>
<th>Packing Units</th>
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</thead>
<tbody>
<tr>
<td>250VAC</td>
<td>1.0</td>
<td>8.5</td>
<td>16.5</td>
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<td>44/95 105 + 02 **</td>
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<td>1.5</td>
<td>9.0</td>
<td>18.0</td>
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<tr>
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<td>2.2</td>
<td>8.5</td>
<td>20.0</td>
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<td>27.5</td>
<td>44/95 225 + 02 **</td>
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<td>13.0</td>
<td>20.0</td>
<td>31.0</td>
<td>0.8</td>
<td>27.5</td>
<td>44/95 255 + 02 **</td>
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<tr>
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<td>3.3</td>
<td>11.5</td>
<td>20.0</td>
<td>31.0</td>
<td>0.8</td>
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<td>44/95 335 + 02 **</td>
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<td>4.0</td>
<td>14.0</td>
<td>24.0</td>
<td>31.0</td>
<td>0.8</td>
<td>27.5</td>
<td>44/95 405 + 02 **</td>
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<td>0.8</td>
<td>27.5</td>
<td>44/95 465 + 02 **</td>
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</table>

Note: Series code 44 indicates capacitor in brown colour and series code 95 indicates orange colour.
**Metallized Polypropylene Film Capacitors**

**Fan Regulator Capacitors (MPP-Ultima) • Series Code 44, 74, 93, 95**

Ordering code and packing units: Metallized Polypropylene Film Capacitors  
**MPP-Ultima • Series Code 74, 93**

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<th>Rated Voltage</th>
<th>Rated Cap. (μF)</th>
<th>W (max)</th>
<th>H (max)</th>
<th>L (max)</th>
<th>d (±0.05)</th>
<th>S (±1.0)</th>
<th>Ordering Code</th>
<th>Packing Units</th>
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<td>0.8</td>
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<td>0.8</td>
<td>27.5</td>
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<td>31.0</td>
<td>0.8</td>
<td>27.5</td>
<td>74/93 465 + 02 **</td>
<td>250</td>
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</table>

*Note: Series code 74 indicates capacitor in brown colour and series code 93 indicates orange colour.*