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) \( R_{\text{in}} \) measured at 100VDC for 1 minute.
(or) time constant \( T = C_n \times R_{\text{in}} \) > 7500 s
(at 25°C, relative humidity ≤70%)

**Ordering code and packing units: Metallized Polypropylene Film Capacitors**
**Switch Type Fan Regulator Capacitors • MPP-SW-Ultima • Series Code 84**

<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>
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<tbody>
<tr>
<td>250VAC</td>
<td>1.0</td>
<td>7.5</td>
<td>13.5</td>
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<td>27.5</td>
<td>84 105 + 02 **^</td>
<td>250</td>
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<td>1.5</td>
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<td>16.0</td>
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**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 \( \tan \delta \): \leq 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 \( \tan \delta \): \leq 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 \( \tan \delta \): \leq 0.004 of initial value at 1 kHz.
   Insulation Resistance: \( \geq 50\% \) of the value mentioned in IR chart.

**Note:** For more details please contact info@dekielectronics.com

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**Metallized Polypropylene Film Capacitors**
**Series Code 84**

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**Switch Type Fan Regulator Capacitors (MPP-SW-Ultima)**

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**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.

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40/85/21

**Maximum Operating Temperature**
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**Ordering code and packing units: Metallized Polypropylene Film Capacitors**
**Switch Type Fan Regulator Capacitors • MPP-SW-Ultima • Series Code 84**

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