### Main Application
Mainly used in switch type fan regulators.

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

### Climatic Category
40/85/21

### Maximum Operating Temperature
85°C

### Capacitance Value
0.75µF-5.6µF

### Capacitance Tolerance
±5%, ±10%

### Rated Voltage
250VAC

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

### Tan δ
0.01 (max) at 1 kHz.

### Insulation Resistance
(Minimum insulation resistance) $R_n$ measured at 100VDC for 1 minute.

or time constant $T = C_n \times R_n > 2500$ 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 δ: $\leq 0.004$ 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 δ: $\leq 0.004$ 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 δ: $\leq 0.004$ of initial value at 1 kHz.
     - Insulation Resistance: $\geq 50\%$ of the value mentioned in IR chart.

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

<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>0.75</td>
<td>7.0</td>
<td>13.0</td>
<td>31.0</td>
<td>0.8</td>
<td>27.5</td>
<td>86/96/103/104/106 754 + 02 ** 250</td>
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<tr>
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<td>1.00</td>
<td>6.5</td>
<td>15.0</td>
<td>31.0</td>
<td>0.8</td>
<td>27.5</td>
<td>86/96/103/104/106 105 + 02 ** 250</td>
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<tr>
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<td>1.50</td>
<td>8.5</td>
<td>17.5</td>
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<td>27.5</td>
<td>86/96/103/104/106 155 + 02 ** 250</td>
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<td>2.20</td>
<td>10.5</td>
<td>20.5</td>
<td>31.0</td>
<td>0.8</td>
<td>27.5</td>
<td>86/96/103/104/106 225 + 02 ** 250</td>
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</tr>
<tr>
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<td>17.5</td>
<td>31.0</td>
<td>0.8</td>
<td>27.5</td>
<td>86/96/103/104/106 255 + 02 ** 250</td>
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<tr>
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<td>3.30</td>
<td>11.5</td>
<td>22.5</td>
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<td>86/96/103/104/106 335 + 02 ** 250</td>
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<tr>
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<td>4.00</td>
<td>13.5</td>
<td>22.0</td>
<td>31.0</td>
<td>0.8</td>
<td>27.5</td>
<td>86/96/103/104/106 405 + 02 ** 250</td>
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<td>27.5</td>
<td>86/96/103/104/106 435 + 02 ** 250</td>
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<td>4.60</td>
<td>14.0</td>
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<td>27.5</td>
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<tr>
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<td>31.0</td>
<td>0.8</td>
<td>27.5</td>
<td>86/96/103/104/106 565 + 02 ** 250</td>
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</tr>
</tbody>
</table>

Note: Series code 86,103 indicates capacitor in brown colour, series code 96,104 indicates orange colour and series code 106 indicates ivory colour.

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