Metallized Polyester Axial Film Capacitors

MPET-AC Axial Series

Series Code : 136, 148

Main Application
Low frequency AC application.

Construction
Low inductive cell of metallized polyester film wrapped with polyester tape filled by resin.

Climatic Category
40/105/21

Rated and Maximum Operating Temperature
85°C and 105°C

Applicable Specification
IEC 384-2

Capacitance Value
0.01µF-4.7µF

Capacitance Tolerance
±5%,±10%

Insulation Resistance
Minimum Insulation Resistance $R_i$, $C_i \leq 0.33 \mu F$ 30000 MΩ $C_i > 0.33 \mu F$ 10000s

Rated Voltage
250VAC-440VAC

Voltage Proof
Between terminals: 640 VDC for 2 sec.

$\tan \delta$

<table>
<thead>
<tr>
<th>Frequency</th>
<th>$C_i &lt; 0.1 \mu F$</th>
<th>$0.1 \mu F \leq C_i \leq 1 \mu F$</th>
<th>$C_i &gt; 1 \mu F$</th>
</tr>
</thead>
<tbody>
<tr>
<td>1kHz</td>
<td>0.8%</td>
<td>1.0%</td>
<td>1.0%</td>
</tr>
<tr>
<td>10kHz</td>
<td>1.5%</td>
<td>1.5%</td>
<td>-</td>
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Life Test Conditions
(Loading at elevated temperature)
Loaded at 1.25 times of rated voltage at 70°C for 500 hours.

After the Test
$\Delta C/C \leq 10\%$ of initial value.
Increase of $\tan \delta \leq 0.005$; $C_i \leq 1 \mu F$
Insulation resistance: ≥ 50% of the value mentioned in IR chart.

Metallized Polyester Round Axial Film Capacitors (Series Code - 136)

Metallized Polyester Flat Axial Film Capacitors (Series Code - 148)

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