Plain Polyester Axial Film Capacitors

Non-Inductive (Tape Wrapped)

**Main Application**
Blocking, bypassing, filtering, coupling and decoupling, interference suppression in low voltage application, low pulse application.

**Construction**
Film/foil inductive type construction with aluminum foil as electrode and polyester film as dielectric wrapped in polyester tape filled with epoxy resin.

**Climatic Category**
40/105/21

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

**Applicable Specification**
IEC 384-11

**Capacitance Value**
0.001µF- 1.0 µF

**Rated Voltage**
100VDC-1250VDC

**Capacitance Tolerance**
±5%, ±10%

**Voltage Proof**
Between terminals: 2 times of rated voltage for 2 sec.

**Tan δ**
0.8% (maximum) at 1 kHz.

**Life Test Conditions**
*(Loading at elevated temperature)*
Loaded at 1.5 times of rated voltage at 85°C for 1000 hours.

**After the test**
ΔC/C: ≤ 10% of initial value.
Increase of Tan δ: ≤ 0.004 times the value measured before the test.
Insulation resistance: ≥ 50% of the value mentioned in IR chart.

**Insulation Resistance**
Minimum Insulation Resistance \( R_{is} \)
(or) time constant \( = C_{is} \times R_{is} \)
at 25°C, relative humidity ≤70%

<table>
<thead>
<tr>
<th>( C_{is} )</th>
<th>( R_{is} )</th>
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<tbody>
<tr>
<td>≤0.33µF</td>
<td>≥30000 MΩ</td>
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<tr>
<td>&gt;0.33µF</td>
<td>≥10000 s</td>
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Note: For more details please contact info@dekielectronics.com