

Metallized Polyester Axial Film Capacitors

Series Code
136, 148

MPET-AC Axial Series

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_{IS}
(or) time constant $T = C_R \times R_{IS}$
Measured at 100VDC for 60 sec.
(at 25° C, relative humidity ≤70%)

$C_R \leq 0.33 \mu F$
30000 MΩ

$C_R > 0.33 \mu F$
10000s

Rated Voltage

250VAC-440VAC

Voltage Proof

Between terminals: 640 VDC for 2 sec.

Tan δ

| Frequency | $C_R < 0.1 \mu F$ | $0.1 \mu F \leq C_R \leq 1 \mu F$ | $C_R > 1 \mu F$ |
|-----------|-------------------|-----------------------------------|-----------------|
| 1kHz | 0.8% | 1.0% | 1.0% |
| 10kHz | 1.5% | 1.5% | - |

Life Test Conditions

(Loading at elevated temperature)

Loaded at 1.25 times of rated voltage at 70°C for 500 hours.

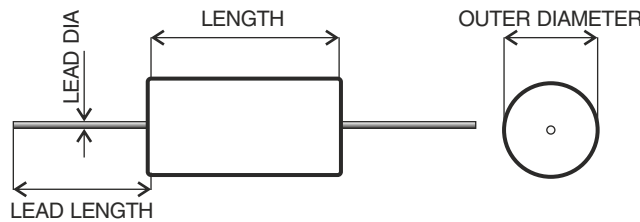
After the Test

$\Delta C/C \leq 10\%$ of initial value.

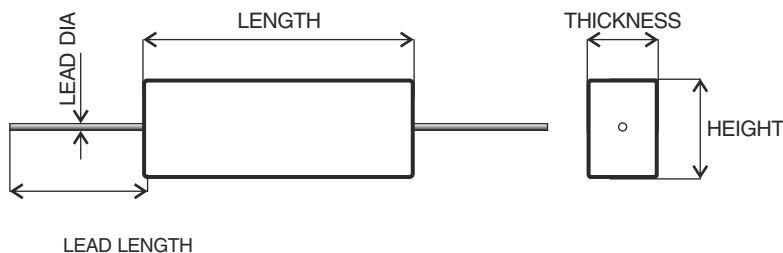
Increase of Tan δ: ≤ 0.005 ; $C_R \leq 1 \mu F$

Insulation resistance: $\geq 50\%$ 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@dekielelectronics.com