Main Application
Smoothening in active power factor correction, LED driver, boost PFC, fly back PFC.

Construction
Low inductive wound cell of metallized polypropylene film with internal fuses, wrapped with polyester tape filled with resin.

Climatic Category
40/100/21

Rated and Maximum Operating Temperature
85°C and 100°C

Capacitance Value
0.033µF - 15µF

Rated Voltage
450VDC-630VDC

Capacitance Tolerance
±5%, ±10%

Insulation Resistance
Minimum Insulation Resistance \( R_{\text{min}} \) \( C_r \leq 0.33 \mu \text{F} \) \( > 30000 \text{ M\Omega} \) \( C_r > 0.33 \mu \text{F} \) \( > 10000\text{s} \)
(at 20°C, relative humidity ≤70%)

Ordering code and packing units: Fuse Type Metallized Polypropylene Flat Axial Film Capacitors
Series Code 118

Voltage Proof
Between terminals: 1.6 times the rated voltage for 2 sec.

\( \text{Tan } \delta \)
Frequency \( C_r < 0.1 \mu \text{F} \)
\( 0.1 \mu \text{F} \leq C_r \leq 1.0 \mu \text{F} \)
\( C_r > 1.0 \mu \text{F} \)
At 1 kHz \( 0.05\% \)
\( 0.08\% \)
\( 0.1\% \)
At 10 kHz \( 0.2\% \)
\( 0.2\% \)
\( 1.0\% \)

Life Test Conditions
(Loading at elevated temperature)
Loaded at 1.25 times of rated voltage at 85°C for 1000 hours.

After the Test
\( \Delta C/C: \leq 10\% \) of initial value.
Increase of \( \text{Tan } \delta \): \( \leq 0.005 \)
\( C_r \leq 1 \mu \text{F} \)

Insulation resistance: \( \geq 5\% \) of the value mentioned in IR chart.

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