Plain Polypropylene+Plain Polyester Film Capacitors

**PEP - Inductive**

**Main Application**
Oscillator, timing and LC/RC filter circuits, snubber circuits, high frequency coupling of fast digital and analog ICs. Wherever stable capacitance with respect to frequency and temperature is required. Mainly used in CFL and where stable temperature characteristics are required.

**Construction**
Film/foil inductive type construction with aluminum foil as electrode and PET + PP film as mixed dielectric coated with epoxy resin.

**Climatic Category**
40/100/56

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

**Capacitance Value**
0.00068µF-0.0056µF

**Capacitance Tolerance**
±2.5%, ±5%, ±10%

**Insulation Resistance**
Minimum Insulation Resistance $R_{iis}$ and $C_{iis} \leq 0.33 \mu F$

(at 25°C, relative humidity ≤ 70%)

**Rated Voltage**
1000VDC-1250VDC

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

**Tan δ**
0.25% (maximum) at 1.0 kHz.

**Life Test Conditions**
*Loading at elevated temperature*
Loaded at 1.5 times of rated voltage at 85°C or 1.5 times of category voltage at 100°C for 1000 hours.
Category voltage is 80% of rated voltage.

**After the test**
ΔC/C: ≤ 3%.
Increase of Tan δ: ≤ 1.4 times the value measured before the test.
Insulation resistance: ≥ 50% of the value mentioned in IR chart.

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**Max. Voltage (Vrms) vs. Frequency**
(Sinusoidal Waveform at T ≤ 55°C)

**Max. Current (Irms) vs. Frequency**
(Sinusoidal Waveform at T ≤ 55°C)
### Ordering codes and packaging units

<table>
<thead>
<tr>
<th>Rated Voltage</th>
<th>Rated Cap. (µF)</th>
<th>W ±0.5</th>
<th>H ±0.5</th>
<th>L ±0.5</th>
<th>d ±0.05</th>
<th>S ±0.5</th>
<th>F 0.8/0.2</th>
<th>DV/DT V/µs</th>
<th>Wt. g</th>
<th>Ordering code</th>
<th>Packing units</th>
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**Note:** For more details please contact info@dekielectronics.com