

**KEMET Part Number: PHE450PB5100JR06**  
(F450BD103J1K0C)

PHE450/F450, Film, Double Metallized Polypropylene, General Purpose, 0.01 uF, 5%, 1000 VDC, 85°C, Lead Spacing = 15mm



**Dimensions**

<b>L</b>	18mm MAX
<b>H</b>	10.5mm MAX
<b>T</b>	5.5mm MAX
<b>S</b>	15mm +/-0.4mm
<b>LL</b>	6mm -1mm
<b>F</b>	0.8mm +/-0.05mm
<b>G</b>	0.5mm NOM

**Packaging Specifications**

<b>Packaging:</b>	Bulk, Bag
<b>Packaging Quantity:</b>	1000

**General Information**

<b>Supplier:</b>	KEMET
<b>Series:</b>	PHE450/F450
<b>Dielectric:</b>	Double Metallized Polypropylene
<b>Style:</b>	Radial
<b>Features:</b>	Pulse
<b>RoHS:</b>	Yes
<b>Lead:</b>	Wire Leads
<b>AEC-Q200:</b>	No
<b>Miscellaneous:</b>	The Rated Voltage Decreases 1.3%/C Between +85C And +105C. Rthja= 99 C/W (85C), 0.2 m/s

**Specifications**

<b>Capacitance:</b>	0.01 uF
<b>Capacitance Tolerance:</b>	5%
<b>Voltage AC:</b>	600 VAC
<b>Voltage DC:</b>	1000 VDC (85C), 740 VDC (105C)
<b>Temperature Range:</b>	-55/+105°C
<b>Rated Temperature:</b>	85°C
<b>Dissipation Factor:</b>	0.03% 1kHz, 0.04% 10kHz, 0.15% 100kHz
<b>Insulation Resistance:</b>	3000 GOhms
<b>Max dV/dt:</b>	2500 V/us
<b>Inductance:</b>	6 nH