

**KEMET Part Number: PHE450PF6180JR30**  
(F450FE184J1K0ALW0L)



Capacitor, Film, Double Metallized Polypropylene, 0.18 uF, +/-5% Tol, -55/+105C, General Purpose, 1000 VDC@85C, Lead Spacing=27.5 mm

**General Information**

<b>Supplier:</b>	KEMET
<b>Dielectric:</b>	Double Metallized Polypropylene
<b>Application:</b>	General Purpose
<b>Sub Application:</b>	DC or AC applications
<b>Style:</b>	Radial Box
<b>Lead Form:</b>	Wire Leads
<b>Features:</b>	Pulse
<b>RoHS:</b>	Yes

**Dimensions (mm)**

Symbol	Dimension	Tolerance
L	31	MAX
H	20.5	MAX
T	10.5	MAX
S	27.5	+/-0.4
LL	30	+5
G	0.5	NOM
F	0.8	+/-0.05

**Packaging Specifications**

<b>Package Kind:</b>	Bulk
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**Specifications**

<b>Capacitance:</b>	0.18 uF
<b>Voltage:</b>	1000 VDC
<b>Tolerance:</b>	+/-5%
<b>Voltage AC:</b>	600 VAC
<b>Voltage:</b>	740 VDC (105C)
<b>Rated Temperature:</b>	85C
<b>Temperature Range:</b>	-55/+105C
<b>Dissipation Factor @ 1 kHz:</b>	0.03%
<b>Dissipation Factor @ 10 kHz:</b>	0.04%
<b>Dissipation Factor @ 100kHz:</b>	0.15%
<b>Insulation Resistance:</b>	100 GOhm
<b>Inductance:</b>	6
<b>Maximum dVdT:</b>	1300 v/us
<b>Miscellaneous:</b>	The Rated Voltage Decreases 1.3%/C Between +85C And +105C
<b>Miscellaneous:</b>	Rthha= 38 C/W (85C), 0.2 m/s

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