

**KEMET Part Number: PHE450PR7100JR02R06L2**  
(F450RK105J1K0Z)

Capacitor, film, Double Metallized Polypropylene, 1 uF, +/-5% Tol, -55/+105C, General Purpose, 1000 VDC@85C, Lead Spacing=37.5 mm



Dimensions (mm)		
Symbol	Dimension	Tolerance
L	41	MAX
H	32	MAX
T	16.5	MAX
S	37.5	+/-0.4
LL	18.5	+/-0.5
G	0.5	NOM
F	1	+/-0.05

Packaging Specifications	
Package Kind:	Pizza
Package Quantity:	105

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

Specifications	
Capacitance:	1 uF
Voltage:	1000 VDC
Tolerance:	+/-5%
Voltage AC:	600 VAC
Voltage:	740 VDC (105C)
Rated Temperature:	85C
Temperature Range:	-55/+105C
Dissipation Factor @ 1 kHz:	0.03%
Dissipation Factor @ 10 kHz:	0.06%
Insulation Resistance:	30 GOhm
Inductance:	6
Maximum dVdT:	800 v/us
Miscellaneous:	The Rated Voltage Decreases 1.3%/C Between +85C And +105C
Miscellaneous:	Rthha= 20 C/W (85C), 0.2 m/s