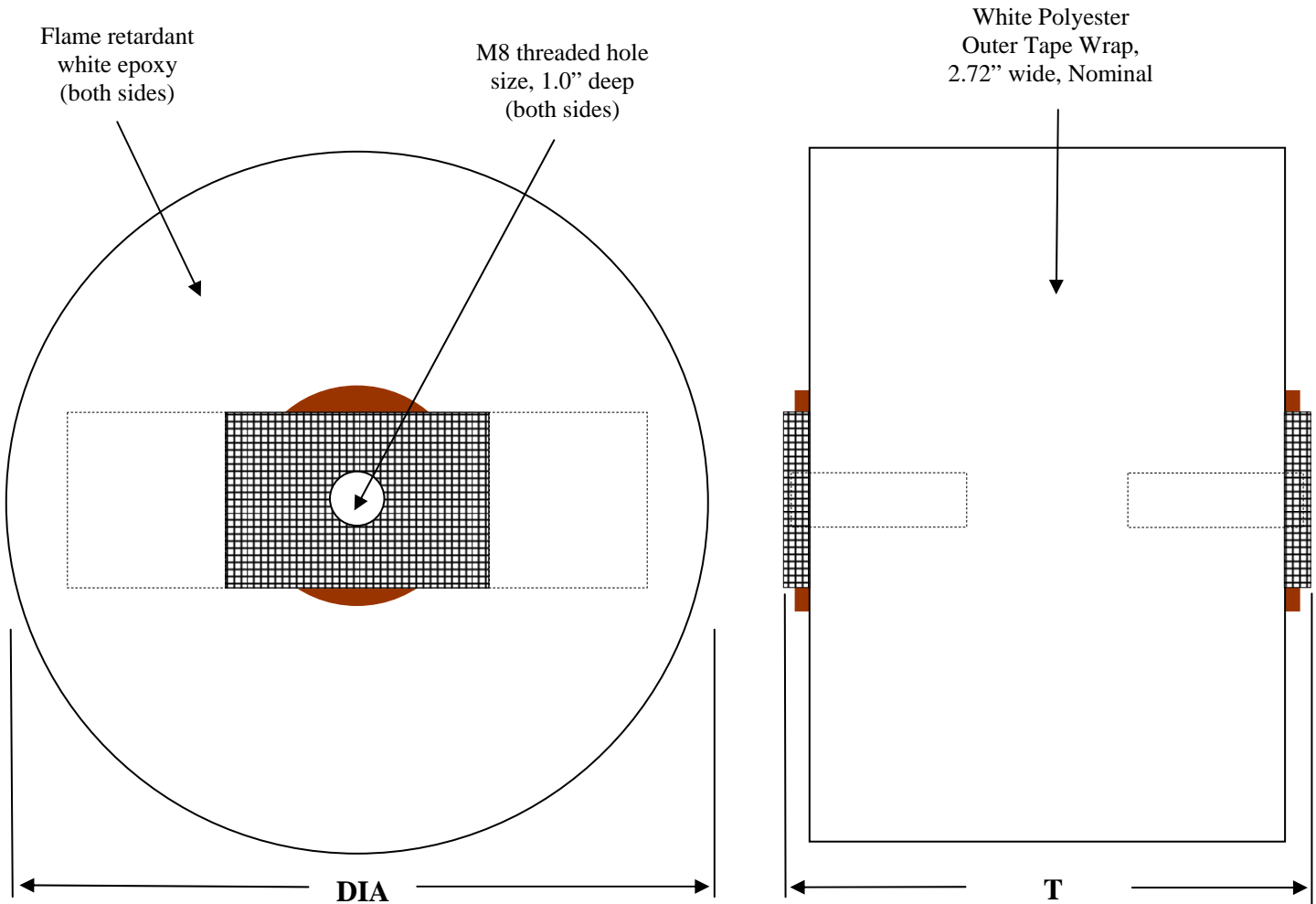




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## Power Ring Film Capacitor™ Technical Data Sheet



Note: Drawing above to scale

## Specifications

<b>Diameter (DIA):</b>	4.00" Max
<b>Thickness (T)</b>	2.91" Nominal. From top of braid surface to top of braid surface on each end
<b>Core:</b>	Solid phenolic core. Meets UL-94HB specifications. Core length is 2.75"
<b>Core extension:</b>	0.015" extension on both sides, Nominal
<b>Terminals:</b>	Tin coated copper braid, 0.045" thick by 1" wide covers the end area of the solid phenolic core. Threaded 8M hole is provided, 1.0" deep.
<b>Terminal Torque:</b>	A maximum of 5 ft-lb of torque when attaching terminal screws.
<b>Encapsulation:</b>	Outer tape wrap of flame retardant polyester tape (meets UL510 specifications). Potted with white epoxy (meets UL94V-0 specs)
<b>Dielectric/Construction:</b>	Metallized Polypropylene film, non-inductively wound, series section design
<b>Capacitance, tolerance:</b>	75 $\mu$ F, $\pm$ 5%
<b>DC Voltage Rating:</b>	1200 VDC
<b>AC Voltage Rating:</b>	350 VAC
<b>Dielectric</b>	
<b>Withstand Voltage:</b>	Units shall withstand a DC potential of 1500 Volts for two minutes.
<b>Operating Temperature:</b>	-40°C to +75°C (terminal temperature) at rated voltage
<b>ESR:</b>	< 0.5 milliohms @ 100 KHz < 1.0 milliohms @ 3.2 KHz < 10.0 milliohms @ 60 Hz
<b>Insulation Resistance:</b>	1333 M $\Omega$ Min at +25°C
<b>ESL:</b>	< 30 nH, ESL for the capacitor element with shortest connection loop. ESL will vary dependent upon interconnect method and specified terminal location
<b>Dissipation Factor:</b>	< 1.0 @ 1 KHz, +25°C
<b>RMS Current Rating:</b>	50 Amps Continuous @ terminal temperature of +75°C
<b>Peak Current Rating:</b>	1000 Amps Repetitive
<b>Peak Current Rating:</b>	12000 Amps Peak fault current, one time occurrence, with less than 5% capacitance loss



At the *Leading Edge* of Film Capacitor Technology™