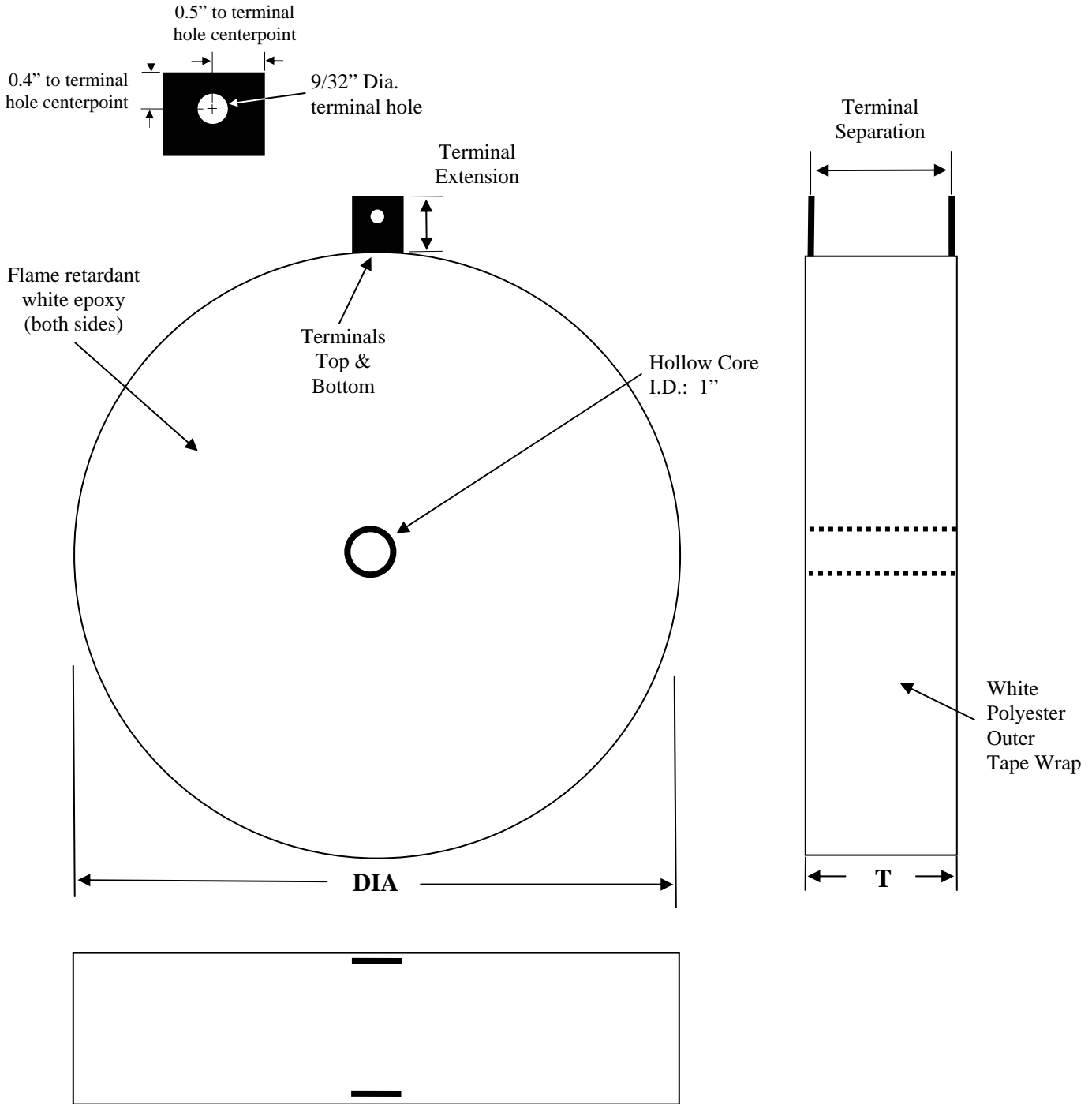




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Power Ring Film Capacitor™ Design



Note: Drawing above not to scale

Specifications

Capacitance/Tolerance:	10.0 μ F, \pm 10%
DC Voltage Rating:	8000 VDC
Diameter (DIA):	6.30"
Thickness (T)	3.25"
Terminal Separation (S):	3.00"
Terminal Extension:	1.00" The terminal extension can easily be varied if desired
Core:	Hollow phenolic core with 1" I.D. Meets UL-94HB specifications
Core extension:	None. Core is flush with end fill surface
Terminals:	Tin coated copper strap, 1/16" thick by 1" wide
Encapsulation:	Outer tape wrap of flame retardant polyester tape (meets UL510 specifications). Potted with white epoxy (meets UL94V-0 specs)
Dielectric/Construction:	Patented pulse technology Metallized Polypropylene film, non-inductively wound, series-section design.
Dielectric	
Withstand Voltage:	Units shall withstand a DC potential of 9000 Volts for two minutes.
Insulation Resistance:	10000 M Ω Min at +25°C
ESR @ 100 KHz.:	< 1 milliohm
ESL:	< 50 nH ESL for the capacitor element with shortest connection loop. ESL will vary dependent upon interconnect method also.
Dissipation Factor:	< 1.0% @ 1 KHz, +25°C
Operating Temperature:	-10°C to +70°C
Peak Current Rating:	5000 Amps Repetitive
*RMS Current Rating:	50 Amps Continuous, case temperature not to exceed 70 deg C

* This design can handle short term exposure to RMS current up to 80 Amps.

Note regarding RMS Current ratings:

The Power Ring can be provided with additional sets of terminals and internal braid interconnection on the capacitor surface to improve current distribution and allow for greater RMS Current carrying capability.



At the *Leading Edge* of Film Capacitor Technology™