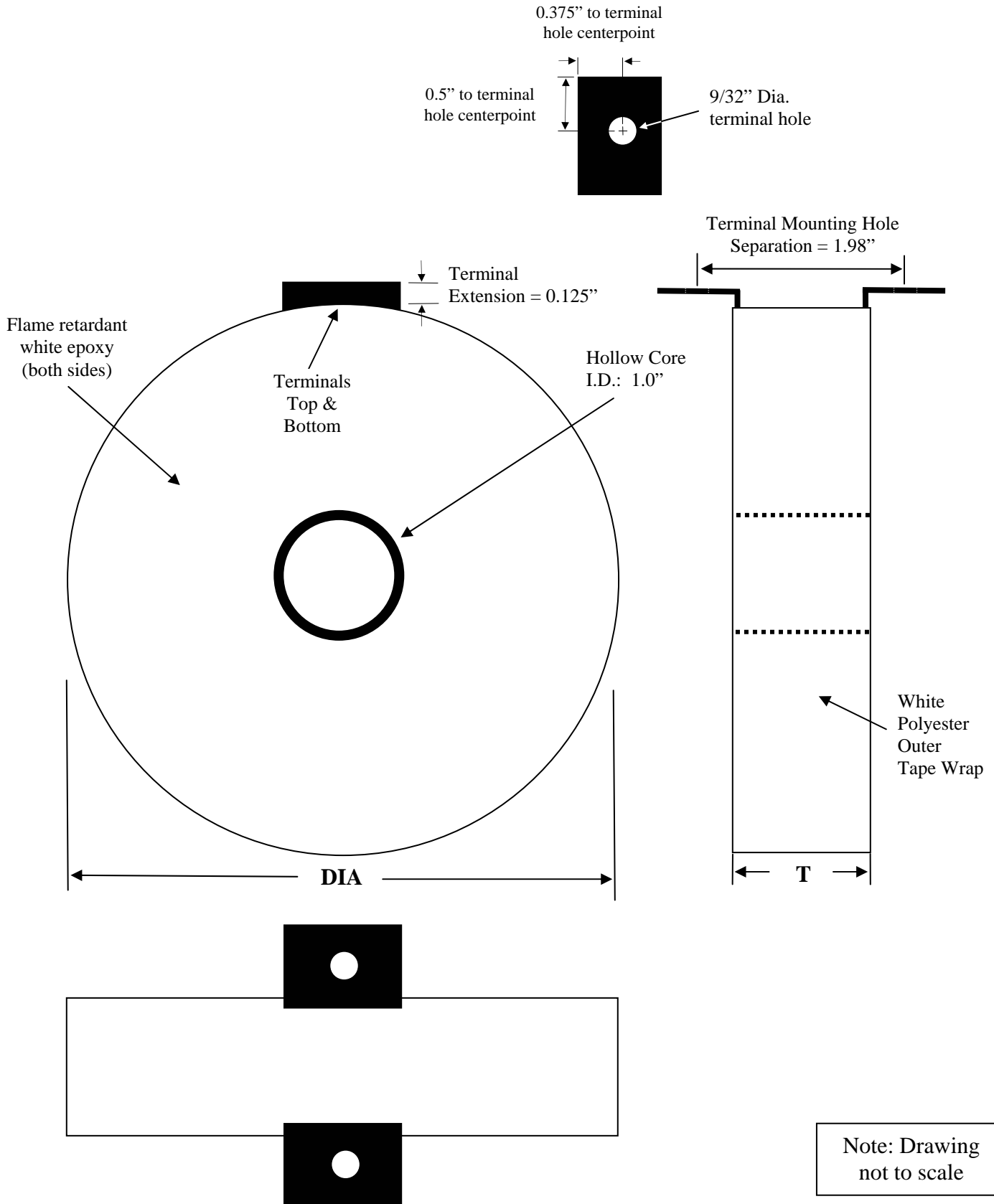




Power Ring Film Capacitor™



Specifications

Capacitance/Tolerance:	300 μ F, \pm 10%
DC Voltage Rating:	600 VDC
Diameter (DIA):	4.5" Max
Thickness (T)	1.56" \pm 0.060"
Core:	Hollow phenolic core with 1.0" 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, formed as noted in layout drawing
Encapsulation:	Outer tape wrap of flame retardant polyester tape (meets UL510 specifications). Potted with white epoxy (meets UL94V-0 specs)
Dielectric/Construction:	Metallized Polypropylene film, non-inductively wound, single-section design.
Dielectric	
Withstand Voltage:	Units shall withstand a DC potential of 720 Volts for two minutes.
Maximum Surge Voltage:	Units should not be exposed to a surge voltage greater than 720 volts
Insulation Resistance:	333 M Ω Min at +25 $^{\circ}$ C
ESR @ 100 KHz.:	< 1.0 milliohms
ESL:	< 40 nH ESL for the capacitor element with shortest connection loop. ESL will vary dependent upon interconnect method also. Lower ESL can be achieved by reducing the space between the capacitor's OD and the terminal seating plane. Lowest ESL thus could be achieved by having the capacitor's OD in line with the terminal seating plane.
Operating Temperature:	-40 $^{\circ}$ C to +85 $^{\circ}$ C, +85 $^{\circ}$ C represents maximum internal hot spot of capacitor
RMS Current Rating:	50 Amps RMS. Assumes a terminal temperature < 75 $^{\circ}$ C and an approximate +10 $^{\circ}$ C temperature rise from end spray surface to internal capacitor hot spot.
Peak Current Rating:	2500 Amps Repetitive
Peak Fault Current:	5000 Amps
Marking:	SBE SBE Company Identification 700D304 Unique SBE Part Number 300 μ F \pm 10% Capacitance value and tolerance 600 VDC DC Voltage Rating yyww Weekly date code (i.e. 0812 = 12 th week of 2008)
Physical Mounting:	Mounting or clamping of the capacitor should take place using the core

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At the *Leading Edge* of Film Capacitor Technology™