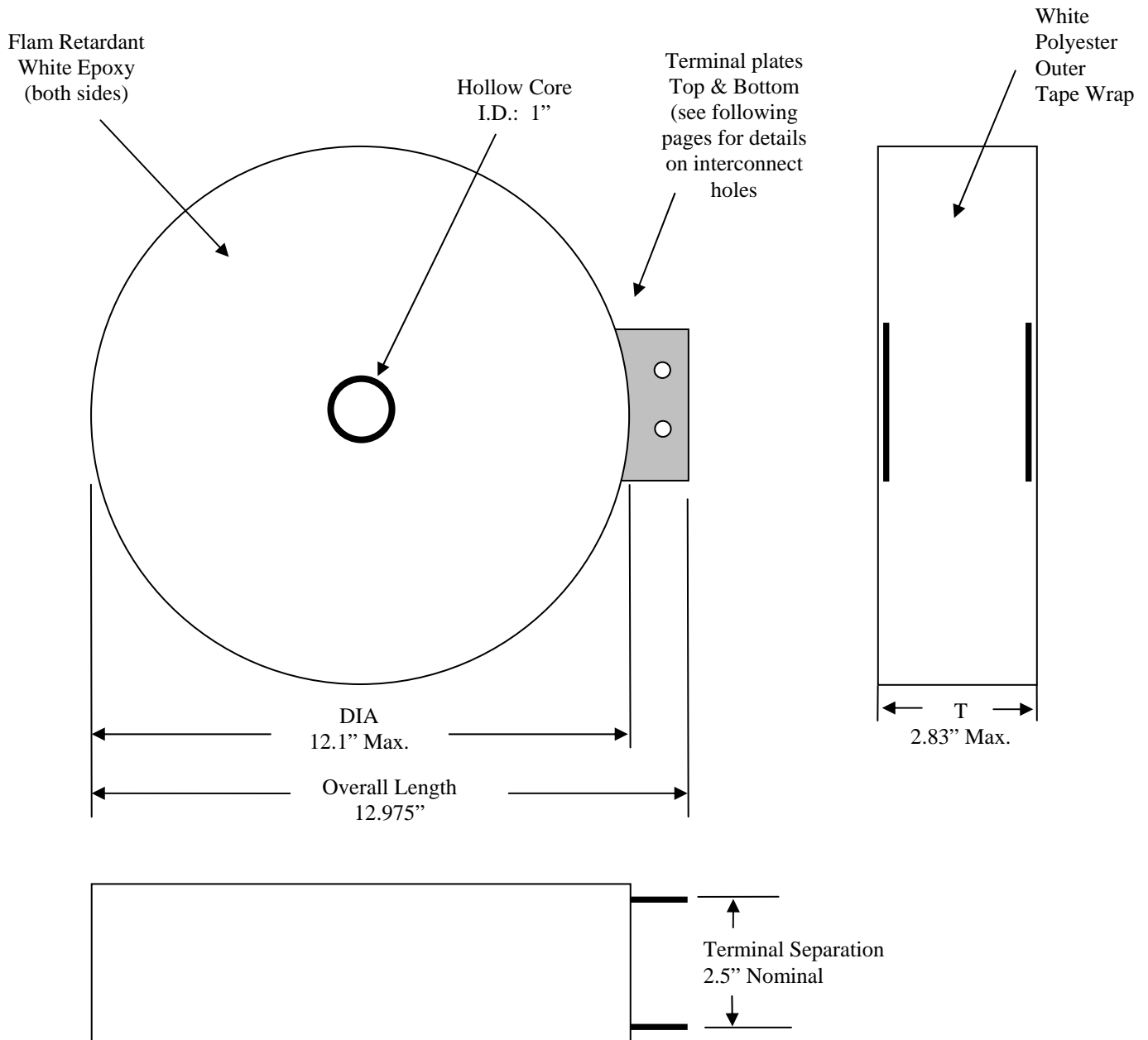




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Power Ring Film Capacitor™ Technical Data Sheet



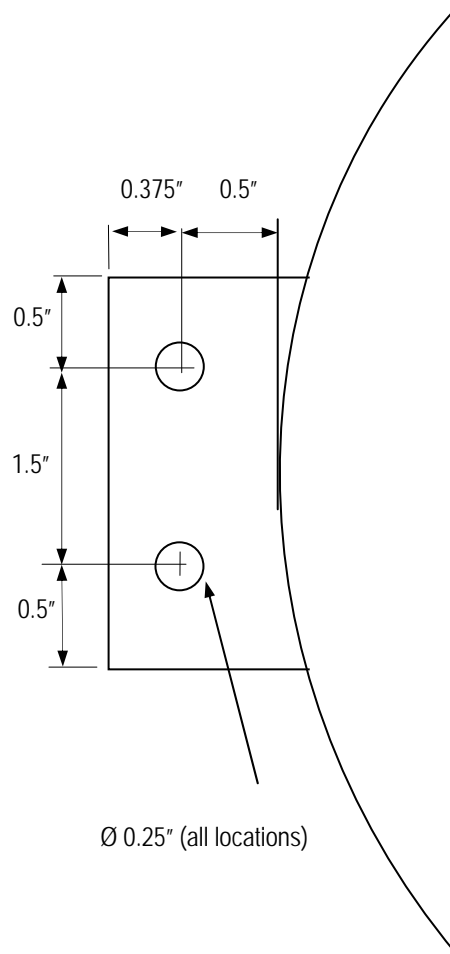
Scale = No Scale

Specifications

Capacitance, tolerance:	1500 μ F, \pm 10%
DC Voltage Rating:	600 VDC
Diameter (DIA):	12.08" \pm 0.020
Thickness (T)	2.81" \pm 0.020
Terminal Extension:	0.875" Nominal (Edge of terminal to tangent capacitor OD)
Terminal Separation (S):	2.5" Nominal
Core:	Hollow phenolic core with 1" I.D. Meets UL-94HB specifications.
Core extension:	None, flush with end-fill surface. Core extensions are available.
Terminals:	Tin coated copper plate, 0.0625" thick by 2" wide
Encapsulation:	Outer tape wrap of flame retardant polyester tape (meets UL510 specifications). Potted with flame retardant white epoxy (meets UL94 specifications).
Dielectric/Construction:	Metallized Polypropylene film, non-inductively wound, single section design
Dielectric	
Withstand Voltage:	Units shall withstand a DC potential of 900 Volts for two minutes.
Operating Temperature:	-10°C to +70°C (terminal temperature) at rated voltage
ESR:	< 0.50 milliohms @ 100 Hz
Insulation Resistance:	> 67 M Ω at 100VDC
ESL:	< 40 nH, ESL for the capacitor element with shortest connection loop. ESL will vary dependent upon interconnect and test method.
RMS Current Rating:	160 ARMS @ 100kHz continuous for terminal temperature of < 70°C
Repetitive	
Peak Current Rating:	50 kA
Peak Fault Current:	150 kA Peak fault current, one time occurrence, with less than 5% capacitance loss. Higher rating attainable with additional conductive silver epoxy.
Marking:	SBE SBE Company Identification 700D275 Unique SBE Part Number 1500 μ F \pm 10% Capacitance value and tolerance 600 VDC DC Voltage Rating yyww Weekly date code (i.e. 0715 = 15 th week of 2007)

Layout details of interconnect holes on terminal plates (dimensions apply to both terminal locations):

Scale = No Scale



At the *Leading Edge* of Film Capacitor Technology™