



## Metallized Polyester Film Capacitors

For High Voltage Applications

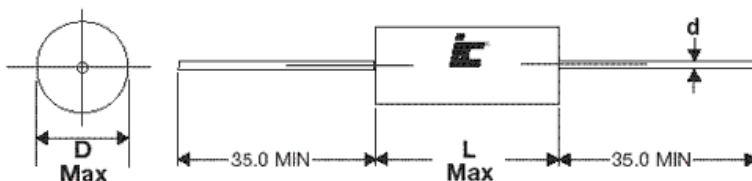
### FEATURES

High Voltage

### APPLICATIONS

Voltage Multipliers - Medical Equipment

Operating Temperature Range	<b>-40°C to +105°C</b>				
Capacitance Tolerance	±10% at 1 kHz, 25°C +5% optional				
Peak, AC voltage (50/60 Hz)	WVDC	2500	4000	6300	10000
	VAC	500	750	1000	1200
For T>+85°C, The voltage must be decreased by 1.25% per °C					
Dissipation Factor (MAX) 25°C	Frequency (kHz)	C<0.1uF		0.1uF<C<1.0uF	
	1	0.8%		0.8%	
	10	1.5%		1.5%	
Insulation Resistance @25°C (<70% RH)for 1 minute at 100VDC applied	Insulation Resistance				
	15000 MΩ				
Load Life	<b>2000 Hours, +85C with 125% of rated voltage</b>				
	Capacitance Change	≤5% of initially measured value			
	Dissipation Factor	≤0.00 at 1kHz and 25°C			
	Insulation Resistance	≥50% of maximum specified value			
Damp Heat test	<b>56 days at40°C with 93%RH(+/-2%), +40°C and no voltage applied</b>				
	Capacitance Change	≤5% of initially measured value			
	Dissipation Factor	≤0.005 at 1kHz and 25°C			
	Insulation Resistance	≥50% of maximum specified value			
Self Inductance	<1 nano-Henry per mm of body length and lead length				
Capacitance Drift Factor	<1.0% after 2 years at 40°C				
Capacitance Temperature Coefficient	+400 ppm/°C, ±200ppm/°C				
Dielectric Strength	<b>Terminal to Terminal</b>				
	160% of VDC applied for 2 Seconds and 25°C				
Dielectric	Polyester				
Construction	Metallized film Internal series connected				
Coating	Flame Retardant Polyester tape wrap (UL 510) with epoxy resin end fills(UL94V0)				
Leads	Lead free tinned copper leads				



Lead Diameter	
D	d
≤8	0.6
8<D≤22	0.8
>22	1.0



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