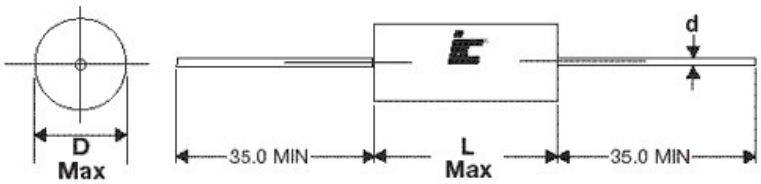
MWS

Metallized Polyester Film Capacitors

For High Voltage Applications

FEATURES	High Voltage
APPLICATIONS	Voltage Multipliers – Medical Equipment

Operating Temperature Range	**-40°C to +105°C**					
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%		
	100	3.0%		-		
Insulation Resistance @25°C (<70% RH)for 1 minute at 100VDC applied	**Insulation Resistance**					
	15000 MΩ					
Load Life	**2000 Hours, +85C with 125% of rated voltage**					
	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	**56 days at40°C with 93%RH(+/-2%), +40°C and no voltage applied**					
	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	**Terminal to Terminal**					
	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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