



Metallized Polyester Film Capacitors

For High Voltage Applications

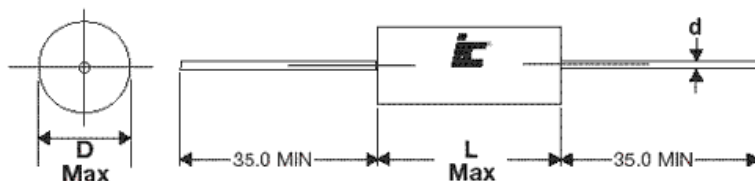
FEATURES

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

MWS

Metallized Polyester, Axial
Lead, up to 10,000 VDC

WVDC	Capacitance (μF)	IC PART NUMBER	dv/dt (v/μ sec.)	Dims DxL (mm)	d (MM)
2500	0.0047	472MWS252KG	200	8.5x29	0.6
2500	0.0068	682MWS252KG	200	9.5x29	0.8
2500	0.015	153MWS252KG	200	13x29	0.8
2500	0.022	223MWS252KG	200	14.5x29	0.8
2500	0.033	333MWS252KJ	125	14.5x34	0.8
2500	0.047	473MWS252KJ	125	17x34	0.8
2500	0.068	683MWS252KJ	125	20x34	0.8
2500	0.1	104MWS252KO	70	18.5x49.5	0.8
2500	0.15	154MWS252KO	70	21.5x49.5	0.8
2500	0.22	224MWS252KO	70	25.5x49.5	1
2500	0.33	334MWS252KO	70	31x49.5	1
2500	0.47	474MWS252KO	70	37x49.5	1
4000	0.0015	152MWS402KG	550	8.5x29	0.6
4000	0.0022	222MWS402KG	550	9.5x29	0.8
4000	0.0033	332MWS402KG	550	11x29	0.8
4000	0.0047	472MWS402KG	550	12.5x29	0.8
4000	0.0068	682MWS402KG	550	14.5x29	0.8
4000	0.01	103MWS402KG	550	17x29	0.8
4000	0.015	153MWS402KJ	300	15x34	0.8
4000	0.022	223MWS402KJ	300	18.5x34	0.8
4000	0.033	333MWS402KJ	300	22x34	0.8

WVDC	Capacitance (μF)	IC PART NUMBER	dv/dt (v/μ sec.)	Dims DxL (mm)	d (MM)
4000	0.047	473MWS402KN	175	20x46.5	0.8
4000	0.068	683MWS402KN	175	23x46.5	1
4000	0.1	104MWS402KN	170	27.5x46.5	1
4000	0.15	154MWS402KN	170	33.5x46.5	1
6300	0.0015	152MWS632KL	800	11x38	0.8
6300	0.0022	222MWS632KL	800	13x38	0.8
6300	0.0033	332MWS632KL	800	15x38	0.8
6300	0.0047	472MWS632KL	800	17x38	0.8
6300	0.0068	682MWS632KO	400	15.5x49.5	0.8
6300	0.01	103MWS632KO	400	18x49.5	0.8
6300	0.015	153MWS632KO	400	21.5x49.5	0.8
6300	0.022	223MWS632KO	400	25.5x49.5	1
6300	0.033	333MWS632KO	400	30x49.5	1
6300	0.047	473MWS632KO	400	36x49.5	1
10000	0.0015	152MWS103KT	1200	15.5x63	0.8
10000	0.0022	222MWS103KT	1200	17.5x63	0.8
10000	0.0033	332MWS103KT	1200	22x63	1
10000	0.0047	472MWS103KT	1200	25x63	1
10000	0.0068	682MWS103KT	1200	28.5x63	1
10000	0.01	103MWS103KT	1200	33x63	1
10000	0.015	153MWS103KT	1200	39x63	1