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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





## Metallized Polyester Film Capacitors

For High Voltage Applications

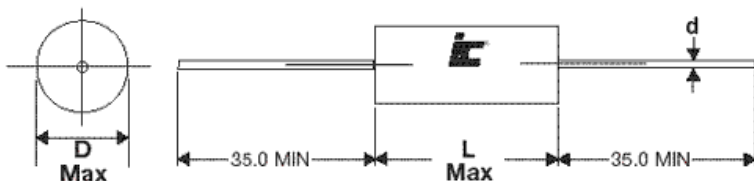
### FEATURES

High Voltage

### APPLICATIONS

Voltage Multipliers - Medical Equipment

<b>Operating Temperature Range</b>	<b>-40°C to +105°C</b>				
<b>Capacitance Tolerance</b>	±10% at 1 kHz, 25°C +5% optional				
<b>Peak, AC voltage (50/60 Hz)</b>	<b>WVDC</b>	<b>2500</b>	<b>4000</b>	<b>6300</b>	<b>10000</b>
	<b>VAC</b>	500	750	1000	1200
For T>+85°C, The voltage must be decreased by 1.25% per °C					
<b>Dissipation Factor (MAX) 25°C</b>	<b>Frequency (kHz)</b>	<b>C&lt;0.1uF</b>		<b>0.1uF&lt;C&lt;1.0uF</b>	
	<b>1</b>	0.8%		0.8%	
	<b>10</b>	1.5%		1.5%	
	<b>100</b>	3.0%		-	
<b>Insulation Resistance @25°C (&lt;70% RH) for 1 minute at 100VDC applied</b>	<b>Insulation Resistance</b>				
	15000 MΩ				
<b>Load Life</b>	<b>2000 Hours, +85°C with 125% of rated voltage</b>				
	<b>Capacitance Change</b>	≤5% of initially measured value			
	<b>Dissipation Factor</b>	<0.00 at 1kHz and 25°C			
	<b>Insulation Resistance</b>	≥50% of maximum specified value			
<b>Damp Heat test</b>	<b>56 days at 40°C with 93%RH(+/-2%), +40°C and no voltage applied</b>				
	<b>Capacitance Change</b>	≤5% of initially measured value			
	<b>Dissipation Factor</b>	<0.005 at 1kHz and 25°C			
	<b>Insulation Resistance</b>	≥50% of maximum specified value			
<b>Self Inductance</b>	<1 nano-Henry per mm of body length and lead length				
<b>Capacitance Drift Factor</b>	<1.0% after 2 years at 40°C				
<b>Capacitance Temperature Coefficient</b>	+400 ppm/°C, +200ppm/°C				
<b>Dielectric Strength</b>	<b>Terminal to Terminal</b>				
	160% of VDC applied for 2 Seconds and 25°C				
<b>Dielectric</b>	Polyester				
<b>Construction</b>	Metallized film Internal series connected				
<b>Coating</b>	Flame Retardant Polyester tape wrap (UL 510) with epoxy resin end fills(UL94V0)				
<b>Leads</b>	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 kVDC

Capacitance (µF)	WVDC	IC PART NUMBER	dv/dt (v/µ sec.)	Dims DxL (mm)	d (MM)
0.0015	4000	<a href="#">152MWS402KG</a>	550	8.5x29	0.6
0.0015	6300	<a href="#">152MWS632KL</a>	800	11x38	0.8
0.0015	10000	<a href="#">152MWS103KT</a>	1200	15.5x63	0.8
0.0022	4000	<a href="#">222MWS402KG</a>	550	9.5x29	0.8
0.0022	6300	<a href="#">222MWS632KL</a>	800	13x38	0.8
0.0022	10000	<a href="#">222MWS103KT</a>	1200	17.5x63	0.8
0.0033	4000	<a href="#">332MWS402KG</a>	550	11x29	0.8
0.0033	6300	<a href="#">332MWS632KL</a>	800	15x38	0.8
0.0033	10000	<a href="#">332MWS103KT</a>	1200	22x63	1
0.0047	2500	<a href="#">472MWS252KG</a>	200	8.5x29	0.6
0.0047	4000	<a href="#">472MWS402KG</a>	550	12.5x29	0.8
0.0047	6300	<a href="#">472MWS632KL</a>	800	17x38	0.8
0.0047	10000	<a href="#">472MWS103KT</a>	1200	25x63	1
0.0068	2500	<a href="#">682MWS252KG</a>	200	9.5x29	0.8
0.0068	4000	<a href="#">682MWS402KG</a>	550	14.5x29	0.8
0.0068	6300	<a href="#">682MWS632KO</a>	400	15.5x49.5	0.8
0.0068	10000	<a href="#">682MWS103KT</a>	1200	28.5x63	1
0.01	4000	<a href="#">103MWS402KG</a>	550	17x29	0.8
0.01	6300	<a href="#">103MWS632KO</a>	400	18x49.5	0.8
0.01	10000	<a href="#">103MWS103KT</a>	1200	33x63	1
0.015	2500	<a href="#">153MWS252KG</a>	200	13x29	0.8

Capacitance (µF)	WVDC	IC PART NUMBER	dv/dt (v/µ sec.)	Dims DxL (mm)	d (MM)
0.015	4000	<a href="#">153MWS402KJ</a>	300	15x34	0.8
0.015	6300	<a href="#">153MWS632KO</a>	400	21.5x49.5	0.8
0.015	10000	<a href="#">153MWS103KT</a>	1200	39x63	1
0.022	2500	<a href="#">223MWS252KG</a>	200	14.5x29	0.8
0.022	4000	<a href="#">223MWS402KJ</a>	300	18.5x34	0.8
0.022	6300	<a href="#">223MWS632KO</a>	400	25.5x49.5	1
0.033	2500	<a href="#">333MWS252KJ</a>	125	14.5x34	0.8
0.033	4000	<a href="#">333MWS402KJ</a>	300	22x34	0.8
0.033	6300	<a href="#">333MWS632KO</a>	400	30x49.5	1
0.047	2500	<a href="#">473MWS252KJ</a>	125	17x34	0.8
0.047	4000	<a href="#">473MWS402KN</a>	175	20x46.5	0.8
0.047	6300	<a href="#">473MWS632KO</a>	400	36x49.5	1
0.068	2500	<a href="#">683MWS252KJ</a>	125	20x34	0.8
0.068	4000	<a href="#">683MWS402KN</a>	175	23x46.5	1
0.1	2500	<a href="#">104MWS252KO</a>	70	18.5x49.5	0.8
0.1	4000	<a href="#">104MWS402KN</a>	170	27.5x46.5	1
0.15	2500	<a href="#">154MWS252KO</a>	70	21.5x49.5	0.8
0.15	4000	<a href="#">154MWS402KN</a>	170	33.5x46.5	1
0.22	2500	<a href="#">224MWS252KO</a>	70	25.5x49.5	1
0.33	2500	<a href="#">334MWS252KO</a>	70	31x49.5	1
0.47	2500	<a href="#">474MWS252KO</a>	70	37x49.5	1