



CL11 Mylar Polyester Capacitor

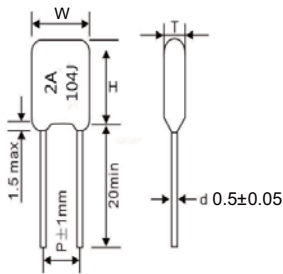
■ FEATURES

- Inductive welded construction epoxy dip coated.
- Good reputation in use with consumer & industrial electronics.
- Optimum for automatic insertion due to their small size and light weight.
- Coated with epoxy resin for superior heat resistance, humidity resistance and solvent resistance.

■ SPECIFICATIONS

- Operating Temperature -40°C ~ +85°C
- Rated Voltage 100V, 250V, 400V, 630V, 1000V, (1200V, 1800V please consult to sales)
- Capacitance Range 0.001 ~ 0.47 μ F
- Capacitance Tolerance \pm 1%, \pm 2%, \pm 5% (Standard tolerance)
- Insulation Resistance 0.1 μ F \leq 30,000M Ω min, >0.1 μ F > 15000M Ω
- Dissipation Factor \leq 0.1 (at 1KHz)
- Dielectric Strength 200% of rated voltage for 5 sec.

■ DRAWING (mm)



■ STANDARD SIZE (mm)

Voltage		100VDC				250VDC				400VDC				630VDC				1000VDC			
Capacitance		Marking on capacitors: 2A				Marking on capacitors: 2E				Marking on capacitors: 2G				Marking on capacitors: 2J				Marking on capacitors: 3A			
μ F	Code	W \pm 1	H \pm 1	T \pm 1	P \pm 1	W \pm 1	H \pm 1	T \pm 1	P \pm 1	W \pm 1	H \pm 1	T \pm 1	P \pm 1	W \pm 1	H \pm 1	T \pm 1	P \pm 1	W \pm 1	H \pm 1	T \pm 1	P \pm 1
0.0001	101	7.5	12.0	4.0	5.5													7.5	12.0	4.0	5.5
0.00015	151	6.5	10.5	4.0	4.5													6.5	10.5	4.0	4.5
0.00018	181	6.0	10.0	3.5	4.5													6.0	10.0	3.5	4.5
0.00022	221	6.5	10.0	3.5	5.0													6.5	10.0	3.5	5.0
0.00027	271	6.5	11.0	3.5	4.5													6.5	11.0	3.5	4.5
0.0003	301	6.5	11.0	3.5	4.0													6.5	11.0	3.5	4.0
0.00033	331	6.0	10.5	3.0	4.0													6.0	10.5	3.0	4.0
0.00039	391	6.5	11.0	3.5	4.0													5.5	11.0	3.5	4.0
0.00047	471	5.5	11.0	3.5	4.0													5.5	11.0	3.5	4.0
0.00056	561	6.0	10.5	3.0	4.0													6.0	10.5	3.0	4.0
0.00068	681	6.0	11.0	3.5	4.0													6.0	11.0	3.5	4.0
0.00082	821	6.0	11.0	3.5	4.0													6.0	11.0	3.5	4.0
0.001	102	5.0	9.5	2.5	3.5	5.0	9.5	2.5	3.5	5.0	9.5	2.5	3.5	5.0	11.5	2.5	3.5	7.0	12.0	3.0	5.0
0.0012	122	5.0	9.5	2.5	3.5	5.0	9.5	2.5	3.5	5.0	9.5	2.5	3.5	5.5	11.5	2.5	3.5	7.0	11.5	3.0	5.0
0.0015	152	5.0	9.5	3.0	4.0	5.0	9.5	3.0	4.0	5.0	9.5	3.0	4.0	5.5	11.5	2.5	4.0	7.0	12.0	3.5	5.0
0.0018	182	5.5	9.5	3.0	4.0	5.5	9.5	3.0	4.0	5.5	9.5	3.0	4.0	5.5	11.5	3.0	4.0	7.0	12.0	4.0	5.0
0.0022	222	5.5	9.0	3.0	4.0	5.5	9.0	3.0	4.0	5.5	9.0	3.0	4.0	5.5	11.5	3.0	4.0	7.5	12.0	4.0	5.5
0.0027	272	5.5	9.0	3.0	4.0	5.5	9.0	3.0	4.0	5.5	9.0	3.0	4.0	5.5	11.0	3.0	4.0	7.5	12.5	4.5	5.0
0.003	302	5.5	9.5	3.0	4.0	5.5	9.5	3.0	4.0	5.5	9.5	3.0	4.0								
0.0033	332	5.5	9.5	3.0	4.0	5.5	9.5	3.0	4.0	5.5	9.5	3.0	4.0	5.5	11.0	3.0	4.0	8.0	13.5	4.5	5.5
0.0039	392	5.0	9.0	3.0	4.0	5.0	9.0	3.0	4.0	5.0	9.0	3.0	4.0	5.5	11.5	3.0	4.0				
0.0043	432	5.0	9.0	3.0	4.0	5.0	9.0	3.0	4.0	5.0	9.0	3.0	4.0								
0.0047	472	5.5	9.0	3.0	4.3	5.5	9.0	3.0	4.3	5.5	9.0	3.0	4.3	6.0	11.5	3.5	4.5	9.0	12.5	6.0	6.5
0.0056	562	5.5	9.0	3.0	4.0	5.5	9.0	3.0	4.0	5.5	9.0	3.0	4.0	7.0	11.5	3.5	5.0	8.5	13.5	5.5	6.0
0.0062	622													7.0	11.5	3.5	5.0				
0.0068	682	6.0	9.0	3.0	4.0	6.0	9.0	3.0	4.0	6.0	9.0	3.0	4.0	7.0	11.5	3.5	5.0	8.0	12.5	5.0	5.5
0.0082	822	6.5	10.0	4.0	4.0	6.5	10.0	4.0	4.0	6.5	10.0	4.0	4.0	7.5	12.0	4.0	5.5	9.5	13.0	6.5	6.0
0.01	103	5.5	9.0	3.0	4.0	5.5	9.0	3.0	4.0	6.5	11.0	3.0	4.5	7.0	12.0	4.0	5.5				



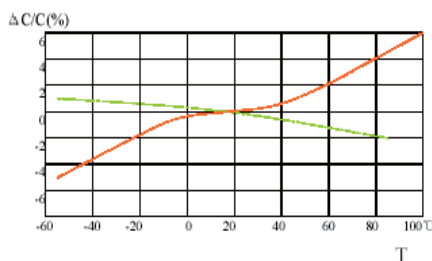
CL11 Mylar Polyester Capacitor

STANDARD SIZE (mm)

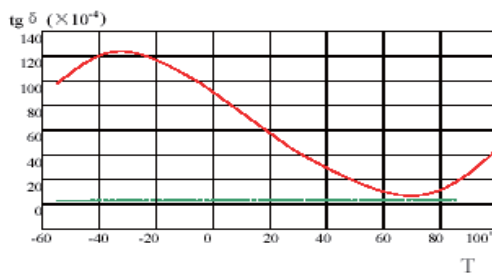
Voltage		100VDC				250VDC				400VDC				630VDC				1000VDC			
Capacitance		Marking on capacitors: 2A				Marking on capacitors: 2E				Marking on capacitors: 2G				Marking on capacitors: 2J				Marking on capacitors: 3A			
uF	Code	W±1	H±1	T±1	P±1	W±1	H±1	T±1	P±1	W±1	H±1	T±1	P±1	W±1	H±1	T±1	P±1	W±1	H±1	T±1	P±1
0.012	123	6.0	9.5	3.0	4.5	6.0	9.5	3.0	4.5	6.5	11.5	3.5	5.0	7.5	12.5	4.5	5.5				
0.015	153	6.0	9.0	3.5	5.0	6.0	9.0	3.5	5.0	7.5	11.5	4.0	5.0	8.0	12.5	5.0	5.5				
0.018	183	6.5	9.5	3.5	5.0	6.5	9.5	3.5	5.0	7.5	12.0	4.0	5.5	8.5	12.5	5.5	5.5				
0.02	203	6.5	9.5	3.5	5.0	6.5	9.5	3.5	5.0												
0.022	223	6.5	9.5	3.5	5.0	6.5	9.5	3.5	5.0	7.5	11.5	4.5	5.5	9.5	12.5	5.0	7.5				
0.027	273	7.0	9.5	4.0	5.0	7.0	9.5	4.0	5.0	9.0	13.0	5.0	7.0	10.0	13.0	6.0	7.5				
0.03	303	7.0	11.0	3.5	5.0	7.0	11.0	3.5	5.0												
0.033	333	7.0	11.0	3.5	5.5	7.0	11.0	3.5	5.5	9.5	12.0	5.0	7.5	9.5	12.0	5.0	7.5				
0.039	393	7.0	11.5	3.5	5.5	7.0	11.5	3.5	5.5												
0.04	403	7.5	11.5	3.5	5.5	7.5	11.5	3.5	5.5												
0.047	473	7.5	11.5	4.0	5.0	7.5	11.5	4.0	5.0	10.5	13.5	6.0	7.5	10.5	13.5	6.0	7.5				
0.056	563	8.0	11.5	4.0	6.0	8.0	11.5	4.0	6.0	11.0	13.0	6.5	7.5	11.0	13.0	6.5	7.5				
0.068	683	8.0	12.0	4.5	6.0	8.0	12.0	4.5	6.0	12.0	13.5	7.0	8.0	12.0	13.5	7.0	8.0				
0.082	823	8.5	12.0	4.5	6.5	8.5	12.0	4.5	6.5	12.5	13.0	7.5	8.0	12.5	13.0	7.5	8.0				
0.1	104	9.5	12.0	5.0	7.0	9.5	12.0	5.0	7.0	12.5	15.0	8.0	8.0	12.5	15.0	8.0	8.0				
0.12	124	10.0	12.0	5.5	7.0	10.0	12.0	5.5	7.0												
0.15	154	10.0	12.0	5.5	7.0	10.0	12.0	5.5	7.0												
0.18	184	10.5	12.0	6.0	7.0	10.5	12.0	6.0	7.0												
0.2	204	10.5	12.0	6.0	7.5	10.5	12.0	6.0	7.5												
0.22	224	11.0	12.0	7.0	7.5	11.0	12.0	7.0	7.5												
0.27	274	12.0	13.0	7.5	7.5	12.0	13.0	7.5	7.5												
0.33	334	12.5	15.0	7.5	7.5	12.5	15.0	7.5	7.5												
0.39	394	14.0	15.0	7.5	8.0	14.0	15.0	7.5	8.0												
0.47	474	14.0	15.0	8.0	8.5	14.0	15.0	8.0	8.5												

Remark: 1200V, 1800V is on request; High temperature 105°C Mylar Polyester Capacitors is on request.

Temperature Characteristics



Capacitance vs. temperature at 1KHz



Dissipation factor vs. temperature at 1KHz

----- Polypropylene film
 ----- Polyester film

Package and Storage

Package: Bulk Type (Pitch size refer to above size table);

Ammo Taped Package (Pitch size = 5mm straight leg, or form to 5mm pitch)

Storage conditions: -10~40°C, 25~75%RH