



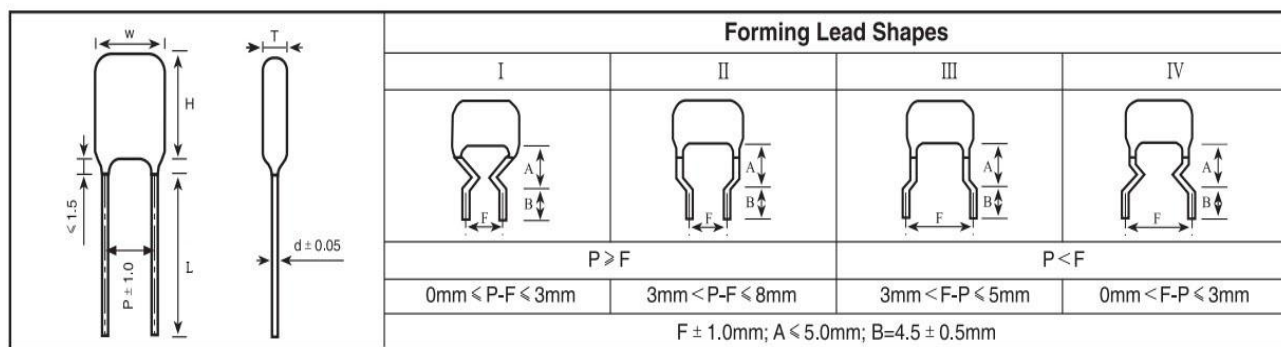
聚酯膜电容器 CL11 (PEI, Mylar)

Mylar Capacitor Type: CL11

为有感结构，用聚酯膜作为电介质和铝箔为电极绕制而成，导线采用镀锡铜包钢线，使用环氧树脂包封。

Are wound inductively with polyester film as dielectric and aluminum foil as the electrode with copper-clad steel leads and epoxy resin coating.

◆ 外形图: Outline Drawing:



◆ 特性:

- 聚酯膜、铝箔，有感卷绕结构
- 引线直接点焊于电极，损耗小
- 环氧料真空包封

◆ Features:

- Polyester film/foil, inductively wound construction
- Dissipation factor is small because the leads are welded directly on the foil.
- Epoxy resin vacuum-dipped.

◆ 主要用途:

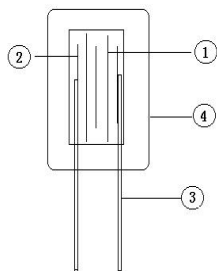
- 广泛应用于电视机、收录机、电子镇流器、节能灯、LED灯及各种电子仪器的直流、脉动电路中。

◆ Typical Applications:

- Widely used in DC and pulsating circuits of radio, TV sets, ballast, energy-saving lamps, LED converter, and various electronic equipments, like splitter box.

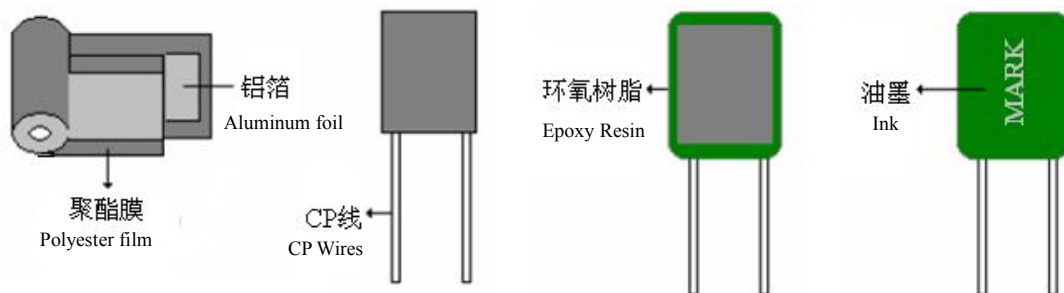
◆ 结构图:

structure chart:



- ① 聚酯膜
- ② 铝箔
- ③ CP线
- ④ 环氧树脂

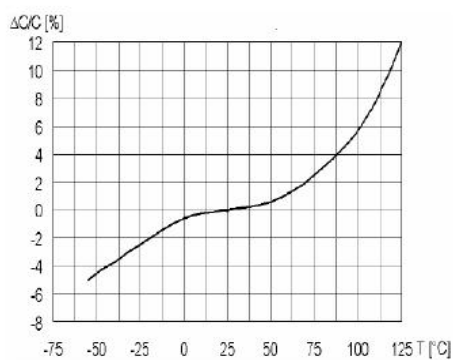
- Polyester film
- Aluminum foil
- CP Wires
- Epoxy Resin



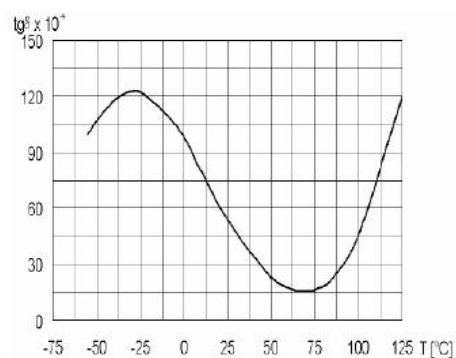
◆ 性能说明:
Specification:

Reference Standards:	GB6346 (IEC60 384-11)
Rated Voltage(UR):	50VD; 100VDC ; 250VDC ; 400VDC ; 630VDC ; 1000VDC; 1250VDC
Climate Category	55/105/21
Rated Temperature	85℃
Operation Temperature Range:	-40℃ - +105℃(+85℃ to +105℃ , decreasing factor 1.25% per℃ for VR (dc))
Capacitance Range:	0.001μF – 0.47μF
Capacitance Tolerance Range:	J(±5%); K(±10%); M (±20%)
Dielectric:	Polyester Film
Dissipation Factor Tanδ:	≤1.0% (20℃ 1 KHz)
Insulation Resistance(Between Terminals):	20±5℃ 1Min CR≤0.1μF ≥30000MΩ CR>0.1μF ≥10000MΩ (20±5℃ 1Min)
Withstand Voltage:	2UR(5S)
Life. Test Conditions:	85±2℃ , 1.25UR, 1,000Hours Capacitance Drift: ≤±5% of The Initial Value C≤1μF ≤5% (10KHz) Dissipation Factor C>1μF ≤3% (1KHz)

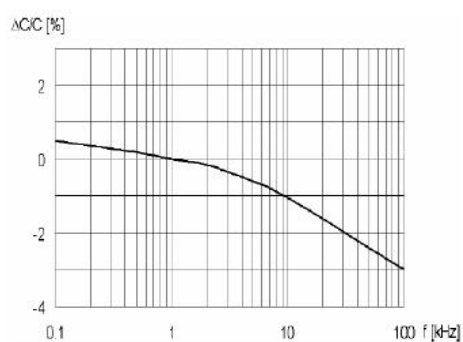
◆ 聚酯膜电容器特性曲线:
Polyester film capacitor characteristic curve:



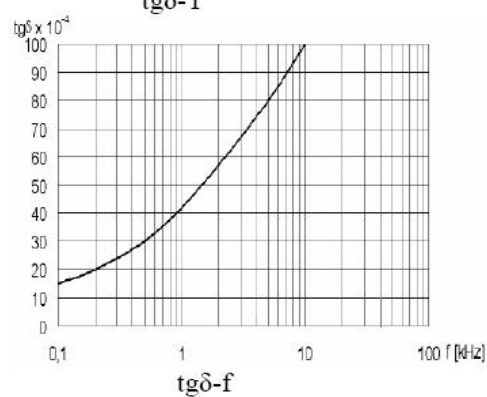
C-T



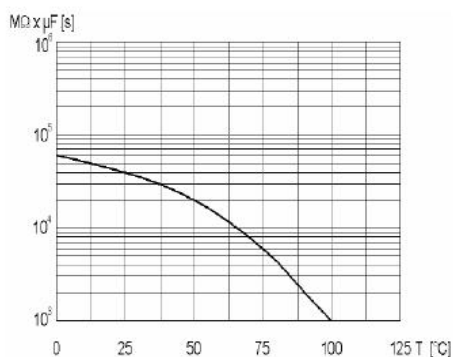
tgδ-T



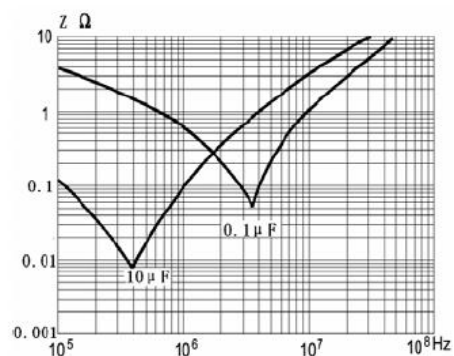
C-f



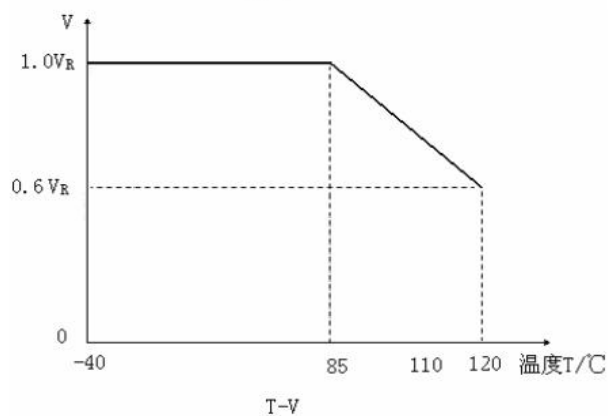
tgδ-f



R-T



Z-f



T-V

◆ 外形尺寸（mm）表



Dimension Lists (mm)

聚酯膜电容器 CL11
Polyester Film Capacitor
Type: CL11 (PEI)



Cap Code	Cap Value uF	Part No.	Dimensions (mm)			
			W max	T max	H max	P
50VDC/100VDC						
102	0.001	CL11 102J100V	6.0	3.5	10.5	3.5
122	0.0012	CL11 122J100V	6.0	3.5	10.5	3.5
152	0.0015	CL11 152J100V	6.0	3.5	10.5	3.5
182	0.0018	CL11 182J100V	6.0	3.5	10.5	3.5
222	0.0022	CL11 222J100V	6.0	3.5	10.5	3.5
272	0.0027	CL11 272J100V	6.0	3.5	10.5	3.5
332	0.0033	CL11 332J100V	6.0	3.5	10.5	3.5
392	0.0039	CL11 392J100V	6.0	3.5	10.5	3.5
472	0.0047	CL11 472J100V	6.0	3.5	10.5	3.5
562	0.0056	CL11 562J100V	6.0	3.5	10.5	3.5
682	0.0068	CL11 562J100V	6.0	4.0	11.5	5.0
822	0.0082	CL11 822J100V	6.5	4.0	11.5	5.0
103	0.01	CL11 103J100V	6.5	4.0	11.5	5.0
123	0.012	CL11 123J100V	6.5	4.0	11.5	5.0
153	0.015	CL11 153J100V	7.3	4.0	12.0	5.0
183	0.018	CL11 183J100V	7.5	4.0	12.0	5.0
223	0.022	CL11 223J100V	8.0	4.5	12.0	5.0
273	0.027	CL11 273J100V	8.0	5.0	12.0	5.0
333	0.033	CL11 333J100V	9.5	5.0	12.0	5.0
393	0.039	CL11 393J100V	9.5	5.0	12.0	5.0
473	0.047	CL11 473J100V	9.5	5.0	12.0	5.0
563	0.056	CL11 563J100V	10.0	5.5	12.5	7.5
683	0.068	CL11 683J100V	10.0	5.5	12.5	7.5
823	0.082	CL11 823J100V	11.0	6.5	12.5	7.5
104	0.1	CL11 104J100V	11.5	6.5	14.5	7.5
124	0.12	CL11 124J100V	12.5	7.0	16.5	8.0
154	0.15	CL11 154J100V	12.5	7.0	16.5	8.0
184	0.18	CL11 184J100V	13.0	7.5	16.5	8.0



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224	0.33	CL11 224J100V	14.0	8.0	17.5	9.0
334	0.33	CL11 334J100V	16.0	8.5	19.5	10.1
394	0.39	CL11 394J100V	16.0	10.0	21.5	10.0
474	0.47	CL11 474J100V	16.0	10.0	21.5	10.0
250VDC						
102	0.001	CL11 102J250V	6.5	4.0	11.0	3.5
122	0.0012	CL11 122J250V	6.5	4.0	11.0	3.5
152	0.0015	CL11 152J250V	6.5	4.0	11.0	3.5
182	0.0018	CL11 182J250V	6.5	4.0	11.0	3.5
222	0.0022	CL11 222J250V	6.5	4.0	11.0	3.5
272	0.0027	CL11 272J250V	6.5	4.0	11.0	3.5
332	0.0033	CL11 332J250V	6.5	4.0	11.0	3.5
392	0.0039	CL11 392J250V	6.5	4.0	11.0	3.5
472	0.0047	CL11 472J250V	6.5	4.0	11.0	3.5
562	0.0056	CL11 562J250V	7.0	4.0	11.0	5.0
682	0.0068	CL11 682J250V	7.0	4.0	11.0	5.0
822	0.0082	CL11 822J250V	8.0	4.0	13.0	5.0
103	0.01	CL11 103J250V	8.0	4.0	13.0	5.0
123	0.012	CL11 123J250V	8.5	5.0	13.5	5.0
153	0.015	CL11 153J250V	8.5	5.0	13.5	5.0
183	0.018	CL11 183J250V	9.0	5.7	14.0	5.0
223	0.022	CL11 223J250V	9.0	6.0	14.0	6.5
273	0.027	CL11 273J250V	10.0	6.0	15.0	6.5
333	0.033	CL11 333J250V	10.0	6.5	15.0	6.5
393	0.039	CL11 393J250V	11.5	7.0	15.5	6.5
473	0.047	CL11 473J250V	12.5	8.5	17.5	6.5
563	0.056	CL11 563J250V	14.0	8.5	21.0	7.5
683	0.068	CL11 683J250V	14.0	8.5	21.0	7.5
823	0.082	CL11 823J250V	16.0	9.5	22.0	8.5
104	0.1	CL11 104J250V	16.5	9.5	22.0	8.5
124	0.12	CL21 124J250V	17.0	11	22	9.0
154	0.15	CL11 154J250V	17.0	11.0	22.0	10.5
400VDC						
102	0.001	CL11 102J400V	7.0	4.0	12.0	4.0
122	0.0012	CL11 122J400V	7.0	4.0	12.0	4.0
152	0.0015	CL11 152J400V	7.5	4.0	12.5	4.0
182	0.0018	CL11 182J400V	7.5	5.0	12.5	4.0
222	0.0022	CL11 222J400V	7.5	5.0	12.5	4.0
272	0.0027	CL11 272J400V	8.0	5.0	13.5	6.0
332	0.0033	CL11 332J400V	8.0	5.0	13.5	6.0
392	0.0039	CL11 392J400V	9.0	6.0	14.0	6.0
472	0.0047	CL11 472J400V	9.0	6.0	14.0	6.0



562	0.0056	CL11 562J400V	9.5	6.0	14.0	6.0
682	0.0068	CL11 682J400V	9.5	6.0	14.0	6.0
822	0.0082	CL11 822J400V	10.5	6.5	15.0	7.0
103	0.01	CL11 103J400V	10.5	6.5	15.0	7.0
123	0.012	CL11 123J400V	12.0	8.0	15.5	7.0
153	0.015	CL11 153J400V	12.0	8.0	15.5	7.0
183	0.018	CL11 183J400V	12.0	8.5	18.5	7.0
223	0.022	CL11 223J400V	12.0	8.5	18.5	7.0
273	0.027	CL11 273J400V	13.5	8.5	21.0	9.0
333	0.033	CL11 333J400V	13.5	8.5	21.0	9.0
393	0.039	CL11 393J400V	15.5	9.5	22.0	9.0
473	0.047	CL11 473J400VA	11.0	6.0	15.0	7.5
473	0.047	CL11 473J400VB	15.5	9.5	22.0	9.0
563	0.056	CL11563J400V	17.5	11.5	23.5	9.0
683	0.068	CL11 683J400V	17.5	11.5	23.5	9.0
823	0.082	CL11 823J400V	19.0	11.0	24.5	12
104	0.1	CL11 104J400VA	12.5	7.5	15.0	9.0
104	0.1	CL11 104J400VB	19.0	12.0	24.5	12
630VDC						
102	0.001	CL11 102J630V	7.5	4.5	12.5	5.0
122	0.0012	CL11 122J630V	7.5	4.5	12.5	5.0
152	0.0015	CL11 152J630V	7.5	4.5	12.5	5.0
182	0.0018	CL11 182J630V	7.5	4.5	12.5	5.0
222	0.0022	CL11 222J630V	8.5	5.0	13.0	5.0
272	0.0027	CL11 272J630V	9.0	5.0	13.5	5.0
332	0.0033	CL11 332J630V	9.0	5.0	13.5	5.0
392	0.0039	CL11 392J630V	9.0	5.0	13.5	5.0
472	0.0047	CL11 182J630V	10.0	5.5	14.0	7.0
562	0.0056	CL11 562J630V	10.0	6.0	15.0	7.0
682	0.0068	CL11 682J630V	11.0	6.0	15.0	7.0
822	0.0082	CL11 822J630V	11.0	6.5	15.0	7.0
103	0.01	CL11 103J630V	11.0	7.5	15.5	7.0
123	0.012	CL11 123J630V	11.0	7.5	15.5	7.0
153	0.015	CL11 153J630V	13.5	8.0	18.0	9.0
183	0.018	CL11 183J630V	13.5	8.0	18.0	9.0
223	0.022	CL11 223J630V	14.5	8.5	18.5	9.0
273	0.027	CL11 273J630V	14.5	8.5	18.5	9.0
333	0.033	CL11 333J630V	12	6	10.7	7.5
333	0.033	CL11 333J630V	15.0	9.0	19.0	9.5
393	0.039	CL11393J630V	15.0	9.0	19.0	9.5
473	0.047	CL11 473J630V	15.0	9.0	19.0	9.5
1000VDC						



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102	0.001	CL11 102J1000V	5.5	3.5	11.5	4.0
122	0.0012	CL11 122J1000V	5.5	3.5	11.5	4.0
152	0.0015	CL11 152J1000V	5.5	3.5	11.5	4.0
182	0.0018	CL11 182J1000V	5.5	3.5	11.5	4.0
222	0.0022	CL11 222J1000V	6.0	3.5	11.5	4.0
272	0.0027	CL11 272J1000V	7.0	4.0	12.5	5.0
332	0.0033	CL11 332J1000V	7.0	4.0	12.5	5.0
392	0.0039	CL11 392J1000V	8.0	5.5	13.5	5.5
472	0.0047	CL11 472J1000V	8.0	5.5	13.5	5.5
562	0.0056	CL11 562J1000V	8.0	6.0	14.5	5.5
682	0.0068	CL11 682J1000V	9.0	5.5	14.5	5.5
822	0.0082	CL11 822J1000V	9.0	5.5	15.0	5.5
103	0.01	CL11 103J1000V	11.5	7.5	18.5	7.5