



# 規格承認書

(SPECIFICATION FOR APPROVAL)

File No.: Q/BH .TS16949.13TECH1303

Product Name: Metallized polyester film A.C. capacitor for capacitive divider

Product Type: C29(交流聚酯膜降压电容)

Product Code: C29

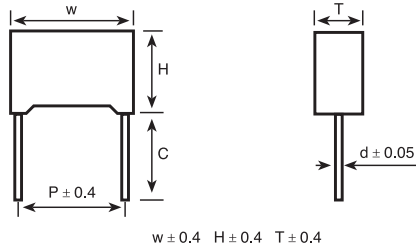
Customer:

Customer Code:

Issue Date: (V3.0)

## 电容降压专用金属化聚酯膜交流电容器 Metallized polyester film A.C.capacitor for capacitive divider

### ■ 外形图 Outline Drawing



### ■ 特点

- 专门设计用于与电源串联的电容降压电路场合，如LED模块等。
- 金属化聚酯膜内串式结构
- 自愈性能优异，能承受过电压冲击
- 长期负载下优异的电容容量稳定性
- 优异的防潮性能
- 优异的阻燃性能

### ■ Features

- This is specifically designed for applications in serial with the main, i.e.: capacitive divider, for example, LED driver etc.
- Metallized polyester film with series construction
- Good self-healing properties,withstanding overvoltage stressing
- Long stability of capacitance
- Good properties in damp environment
- Excellent active and passive flame resistant abilities

### ■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 14472 (IEC60384-14)		
气候类别/阻燃等级 Climatic Category/Passive Flammability Category	55/105/56/B		
额定温度 Rated temperature	105℃		
工作温度范围 Operating Temperature Range	-55℃ ~ +105℃ (+85℃ to +105℃ : decreasing factor 1.25% per ℃ for U <sub>R</sub> )		
额定电压 Rated Voltage(U <sub>R</sub> )	275Vac, 50/60Hz		
最大连续直流电压 Maximum continuous DC voltage	450Vdc		
承受峰值脉冲电压 Impluse Votage	1200Vdc		
电容量范围 Capacitance Range	0.010μF~2.2μF		
电容量偏差 Capacitance Tolerance	± 5%(J)、 ± 10%(K)、 ± 20%(M)		
耐电压 Voltage Proof	引线之间 Between Terminals	860Vdc(2s)	
	极壳之间 Between Terminals To Case	2 050Vac (1min)	
绝缘电阻 Insulation Resistance	R ≥ 30 000MΩ , RC ≥ 10 000s,	C <sub>R</sub> ≤ 0.33μF C <sub>R</sub> > 0.33μF	(20℃ , 100V, 1min)
	损耗角正切 Dissipation Factor	0.010μF ≤ C <sub>R</sub> ≤ 0.1μF	≤ 75×10 <sup>-4</sup> (1kHz,20℃) ≤ 110×10 <sup>-4</sup> (1kHz,20℃)
	0.10μF < C <sub>R</sub> ≤ 0.47μF	≤ 75×10 <sup>-4</sup> (1kHz,20℃) ≤ 120×10 <sup>-4</sup> (1kHz,20℃)	
	0.47μF < C <sub>R</sub> ≤ 2.2μF	≤ 75×10 <sup>-4</sup> (1kHz,20℃) ≤ 150×10 <sup>-4</sup> (1kHz,20℃)	

## 产品编码说明 Part number system

### ■ 18位产品代码如下:

The 18 digits part number is formed as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
C	2	9															

第1~3位	型号代码 C29	Digit 1 to 3	Series code C29
第4~5位	交流额定电压 P2=275V	Digit 4 to 5	AC rated voltage P2=275V
第6~8位	标称容量 举例: 104=10 x 10 <sup>4</sup> pF=0.10μF	Digit 6 to 8	Rated capacitance value For example: 104=10 x 10 <sup>4</sup> pF=0.10μF
第9位	容量偏差 J= ± 5% K= ± 10% M= ± 20%	Digit 9	Capacitance tolerance J= ± 5% K= ± 10% M= ± 20%
第10位	引线脚距 P 4=10.0mm 6=15.0mm 9=22.5mm B=27.5mm	Digit 10	Pitch 4=10.0mm 6=15.0mm 9=22.5mm B=27.5mm
第11位	内部特征码	Digit 11	Internal use
第12~15位	引线加工和包装代码	Digit 12 to 15	Lead form and packaging code
第16~18位	内部特征码	Digit 16 to 18	Internal use

### ■ Table1 引线加工和包装代码 Lead form and packaging code

第12位 Digit 12		第13位 Digit 13		第14位 Digit 14		第15位 Digit 15	
代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation
A	弹带包装 ammo-pack	6	F=15.0mm	0	表示直脚 straight	5	P3=25.4mm,H=18.5mm (For pitch=10.0/15.0mm) (Detail parameter refer to pag 17)
C	直脚 straight lead "C" in the figure above	代码 Code	说明 explanation		0	引线长度偏差 ± 0.5mm或标准长度 Length tolerance ± 0.5mm or standard length	
		00	标准的引线长度(18mm~26mm) standard lead length				
		45	引线长度 4.5mm lead length 4.5mm				

■ 外形尺寸 Dimensions(mm)

275Vac						
C <sub>R</sub> (μF)	W	H	T	P	d	Part number
0.010	13.0	9.0	4.0	10.0	0.6	C29P2103-40****+++
0.012	13.0	9.0	4.0	10.0	0.6	C29P2123-40****+++
0.015	13.0	9.0	4.0	10.0	0.6	C29P2153-40****+++
0.018	13.0	9.0	4.0	10.0	0.6	C29P2183-40****+++
0.022	13.0	9.0	4.0	10.0	0.6	C29P2223-40****+++
0.027	13.0	9.0	4.0	10.0	0.6	C29P2273-40****+++
0.033	13.0	9.0	4.0	10.0	0.6	C29P2333-40****+++
0.039	13.0	9.0	4.0	10.0	0.6	C29P2393-40****+++
0.047	13.0	9.0	4.0	10.0	0.6	C29P2473-40****+++
0.056	13.0	11.0	5.0	10.0	0.6	C29P2563-40****+++
0.068	13.0	11.0	5.0	10.0	0.6	C29P2683-40****+++
0.082	13.0	12.0	6.0	10.0	0.6	C29P2823-40****+++
0.10	13.0	12.0	6.0	10.0	0.6	C29P2104-40****+++
0.010	17.5	9.5	5.0	15.0	0.6	C29P2103-60****+++
0.012	17.5	9.5	5.0	15.0	0.6	C29P2123-60****+++
0.015	17.5	9.5	5.0	15.0	0.6	C29P2153-60****+++
0.018	17.5	9.5	5.0	15.0	0.6	C29P2183-60****+++
0.022	17.5	9.5	5.0	15.0	0.6	C29P2223-60****+++
0.027	17.5	9.5	5.0	15.0	0.6	C29P2273-60****+++
0.033	17.5	9.5	5.0	15.0	0.6	C29P2333-60****+++
0.039	17.5	9.5	5.0	15.0	0.6	C29P2393-60****+++
0.047	17.5	9.5	5.0	15.0	0.6	C29P2473-60****+++
0.056	17.5	9.5	5.0	15.0	0.6	C29P2563-60****+++
0.068	17.5	11.0	5.0	15.0	0.6	C29P2683-60****+++
0.082	17.5	11.0	5.0	15.0	0.6	C29P2823-60****+++
0.10	17.5	11.0	5.0	15.0	0.6	C29P2104-60****+++
0.12	17.5	11.0	5.0	15.0	0.6	C29P2124-60****+++
0.15M	17.5	11.0	5.0	15.0	0.6	C29P2154M60****+++
0.15	17.5	12.0	6.0	15.0	0.6	C29P2154-60****+++
0.18	17.5	12.0	6.0	15.0	0.6	C29P2184-60****+++
0.22M	17.5	12.0	6.0	15.0	0.6	C29P2224M60****+++
0.22	17.5	13.5	7.5	15.0	0.6	C29P2224-60****+++
0.27	17.5	13.5	7.5	15.0	0.6	C29P2274-60****+++
0.33	17.5	14.5	8.5	15.0	0.6	C29P2334-60****+++
0.39M	17.5	14.5	8.5	15.0	0.6	C29P2394M60****+++
0.39	17.5	16.0	10.0	15.0	0.8	C29P2394-60****+++
0.47	17.5	16.0	10.0	15.0	0.8	C29P2474-60****+++

275Vac						
C <sub>R</sub> (μF)	W	H	T	P	d	Part number
0.15	26.5	15.0	6.0	22.5	0.8	C29P2154-90****+++
0.18	26.5	15.0	6.0	22.5	0.8	C29P2184-90****+++
0.22	26.5	15.0	6.0	22.5	0.8	C29P2224-90****+++
0.27	26.5	15.0	6.0	22.5	0.8	C29P2274-90****+++
0.33	26.5	15.0	6.0	22.5	0.8	C29P2334-90****+++
0.39	26.5	15.0	6.0	22.5	0.8	C29P2394-90****+++
0.47M	26.5	15.0	6.0	22.5	0.8	C29P2474M90****+++
0.47	26.5	16.0	7.0	22.5	0.8	C29P2474-90****+++
0.56	26.5	16.0	7.0	22.5	0.8	C29P2564-90****+++
0.68	26.5	17.0	8.5	22.5	0.8	C29P2684-90****+++
0.82	26.5	17.0	8.5	22.5	0.8	C29P2824-90****+++
1.0	26.5	18.5	10.0	22.5	0.8	C29P2105-90****+++
1.2	26.5	22.0	12.0	22.5	0.8	C29P2125-90****+++
1.5M	26.5	22.0	12.0	22.5	0.8	C29P2155M90****+++
0.68	32.0	18.0	9.0	27.5	0.8	C29P2684-B0****+++
0.82	32.0	18.0	9.0	27.5	0.8	C29P2824-B0****+++
1.0	32.0	18.0	9.0	27.5	0.8	C29P2105-B0****+++
1.2	32.0	20.0	11.0	27.5	0.8	C29P2125-B0****+++
1.5	32.0	20.0	11.0	27.5	0.8	C29P2155-B0****+++
1.8	32.0	22.0	13.0	27.5	0.8	C29P2185-B0****+++
2.2M	32.0	22.0	13.0	27.5	0.8	C29P2225MB0****+++
2.2K	32.0	25.0	13.0	27.5	0.8	C29P2225KB0****+++

备注: 1. “-”表示容量偏差。“-”=capacitance tolerance code, J=±5%, K=±10%, M=±20%  
 2. “\*\*\*\*”表示引线形状和包装代码(见table 1)。“\*\*\*\*”=lead form and packing code(refer to table 1)