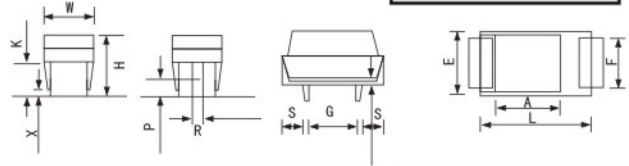




### ■ CA45型片式固体电解质钽电容器 产品外形尺寸 Dimensions



壳号case size	L	W	H	K±0.2	F±0.1	S±0.3	X	P	R	T	A	G	E
P	3.2±0.2	1.6±0.2	1.2±0.2	0.9	1.2	0.8	0.10±0.10	0.4	0.4	0.13	0.8	1.1	1.3
A	3.2±0.2	1.6±0.2	1.6±0.2	0.9	1.2	0.8	0.10±0.10	0.4	0.4	0.13	0.8	1.1	1.3
B	3.5±0.2	2.8±0.2	1.9±0.2	1.1	2.2	0.8	0.10±0.10	0.5	0.4	0.13	1.1	1.8	2.2
C	6.0±0.2	3.2±0.2	2.5±0.2	1.4	2.2	1.3	0.10±0.10	0.9	1.0	0.13	2.5	2.8	2.4
D	7.3±0.2	4.3±0.2	2.8±0.2	1.5	2.4	1.3	0.10±0.10	0.9	1.0	0.13	3.8	3.5	3.5

### ■ CA45贴片钽电容□准型□品特性表 Standard series Specifications

项目 Item	主要特性 Performance Characteristics	
使用温度范围 Operating Temperature Range	-55℃ ~ +125℃ (> +85℃ 降额使用) -55℃ ~ +125℃ (applied derating voltage at greater than +85℃)	
标称容量允许偏差 Capacitance Tolerance	±20% (M), ±10% (K) at 120Hz +25℃	
损耗角正切值(tgδ) Dissipation Factor	测试频率120Hz Test frequency 120Hz 0.1~1 μF 4%Max. 1.5~68 μF 6%Max. 100 μF~ 8%Max. 220 μF ~ 10%Max.	
漏电流 Leakage current	施加额定电压1分钟: 1≤0.01CV或0.5μA (取较大者) 25℃ After 1 minute's application of rated voltage, leakage current at 25℃ is not more than 0.01CV or 0.5 μ A, whichever is greater.	施加额定电压1分钟: 1≤0.1CV或5μA (取较大者) 85℃ After 1 minute's application of rated voltage, leakage current at 85℃ is not more than 0.1CV or 5 μ A, whichever is greater.
标称容量随温度变化 Capacitance Change by Temperature	±10%Max. (+85℃) ±10%Max. (-55℃)	±12%Max. (+125℃)
浪涌电压 Surge Voltage	在85℃环境中, 电容器接33Ω电阻, 加上浪涌电压, 以30秒开, 30秒关为一个周期, 共经1000个周期实验后, 电容器的性能符合下列要求: After application of Surge Voltage in series with a 33Ω resistor at the rate voltage of 30 seconds ON, 30 seconds OFF, for 1000 successive test cycles at 85℃, capacitors meet the characteristics requirements listed below.	
	标称容量变化 Capacitance Change	初始值的±5%以内 Within ±5% of initial value
	损耗角正切值 Dissipation Factor	不大于初始规定值 Initial specified value or less
	漏电流 Leakgae Current	不大于初始规定值 Initial specified value or less
耐焊接热 Resistance to Soldering Heat	将电容器端子线浸入260±5℃的锡液中持续5sec±0.5sec后, 电容器的性能符合下列要求: After immersing capacitors into solder completely for 5sec±0.5sec at 260±5℃, capacitors meet the characteristics requirements listed below.	
	标称容量变化 Capacitance Change	初始值的±3%以内 Within ±3% of initial value
	损耗角正切值 Dissipation Factor	不大于初始规定值 Initial specified value or less
	漏电流 Leakgae Current	不大于初始规定值 Initial specified value or less



- 电容和额定电压、 $V_R$  (电压代码)范围 (字母表示例大小)  
Capacitance and rated voltage,  $V_R$ (voltage code)range (Letter denotes case size)

Capacitance		Rated voltage DC( $V_R$ )to 85°C								
uF	Code	2.5V(e)	4V(G)	6.3V(J)	10V(A)	16V(C)	20V(D)	25V(E)	35V(V)	50V(T)
0.10 0.15 0.22	104 154 224								A A A	A A/B A/B
0.33 0.47 0.68	334 474 684						A	A A	A A/B A/B	B A/B/C A/B/C
1.0 1.5 2.2	105 155 225			A	A A	A A A/B	A A A/B	A A/B A/B	A/B A/B/C A/B/C	A <sup>(M)</sup> /B/C C/D C/D
3.3 4.7 6.8	335 475 685		A A	A A A/B	A A/B A/B	A/B A/B A/B/C	A/B A/B/C A/B/C	A/B/C A/B/C B/C	B/C B/C/D C/D	C/D C/D C/D
10 15 22	106 156 226		A A/B A	A/B A/B A/B/C	A/B/C A/B/C A/B/C	A/B/C A <sup>(M)</sup> /B/C B/C/D	B/C B/C/D B/C/D	B/C/D C/D C/D	C/D/E C/D D/E	D/E/V D/E/V V
33 47 68	336 476 686	A A A	A/B A/B A/B/C	A/B/C A/B/C/D B/C/D	A/B/C/D B/C/D B/C/D	B/C/D C/D C/D	C/D C/D/E C*/D/E	D/E D/E E/V	D/E/V E/V V <sup>(M)</sup>	
100 150 220	107 157 227	A/B B B/D	A/B/C B/C B <sup>(M)</sup> /C/D	B/C/D B <sup>(M)</sup> /C/D C/D/E	B <sup>(M)</sup> /C/D/E C/D/E C/D/E	C/D/E D/E/V E/V	D/E/V E/V	E <sup>(M)</sup> /V V*		
330 470 680	337 477 687	D C/D C/D/E	C/D/E C/D/E D/E	C/D/E D/E/V E/V	D/E/V E/V	V				
1000 1500 2200	108 158 228	D <sup>(M)</sup> /E D/E/V V <sup>(M)</sup>	D/E/V E/V <sup>(M)</sup>	V <sup>(M)</sup>						