

### 应用

- 晶体管化
- 低压旁路、耦合电路
- 可使用在对容量稳定性、绝缘电阻与损耗要求不高的电路

### Applications

- Transistorized
- Low voltage electronic circuits for by-pass, coupling
- Frequency determination, in which dielectric losses, Hi-IR and capacitance stability are not major importance

### 特性

### Specifications

操作温度范围 Operating temperature range	-25°C to +85°C
电容量 (C <sub>R</sub> ) Capacitance (C <sub>R</sub> )	Range: 0.0047uF to 0.47uF Tolerance: K(±10%), M(±20%), Z(+80/-20%) 在 25±1°C 下使用 1kHz 0.1Vrms 进行测量, 在允许偏差范围内。 Measured at 1kHz, 0.1Vrms and 25°C±1°C, within the specified tolerance.
损耗角正切(tanδ) Tangent of loss angle (tanδ)	≤0.050 测量条件同“电容量(C <sub>R</sub> )” Measured condition see “Capacitance (C <sub>R</sub> )”
额定电压(U <sub>R</sub> ), DC Rated Voltage (U <sub>R</sub> ), DC	10V, 12V, 16V, 25V, 50V, 100V 在两导线间施加 1.5 倍额定电压, 时间 1s 到 5s (充/放电流小于 50mA)。 The capacitor should not be damaged when 1.5 times rated voltage is applied between the lead wires for 1 to 5 sec (Charge / Discharge current ≤50mA).
绝缘电阻 Insulation Resistance	>1 000MΩ or 25ΩF (取较小值, whichever is smaller) 在两导线间施加额定电压进行测量, 时间不超过 1 分钟 (如果绝缘电阻达到要求值时, 试验可以在更短的时间内结束)。 The insulation resistance should be measured with a DC voltage not exceeding the rated voltage at normal temperature and humidity and less than 1 min. of charging (The test may be terminated in a shorter time, if the required value of insulation resistance is reached).
温度特性 Temperature characteristic	Y5P, Y5U, Y5V etc.

### 电容量与尺寸规格表

### Capacitance and Dimension Chart

温度特性 T. C. 额定电压, VDC Rated voltage, VDC 容量 Cap. (uF)	Y5P			Y5U			Y5V			
	10, 12, 16	25	50	10, 12, 16	25	50	10, 12, 16	25	50	100
0.0047	B	B	B							
0.0056	C	C	C							
0.0068	C	C	C							
0.0082	C	C	C							
0.0100	C	C	C	B	B	B		B	B	
0.0120	C	C	C	B	B	B		B	B	
0.0150	C	C	C	B	C	C		B	B	
0.0180	E	E	E	B	C	C		B	B	
0.0220	E	E	E	B	C	C	B	B	B	C
0.0270	E	E	G	B	C	C	B	B	C	C
0.0330	G	G	G	C	C	C	B	B	C	C
0.0390	G	G	I	C	C	E	B	C	C	C
0.0470	G	G	I	C	C	E	B	C	C	C
0.0560	I	I	I	E	E	E	C	C	D	E
0.0680	I	I	I	E	E	E	C	C	D	E
0.0820	J	J	J	E	G	G	C	C	D	E
0.10	L	L	O	E	G	I	C	D	F	I
0.22				J	J	L	J	J	L	M
0.33							M	M		
0.47							M			
误差 Tolerance (%)	±10, ±20			±20			±20, +80/-20			
T, mm max.	3.5									
F, ±0.8mm	2.5 / 5.0									
D, ±0.05mm	0.40									
L, mm min.	脚长可以根据客户需求订制 (没有要求时, 脚长不小于 16mm) Lead length by customer requirements (No requirement: 16mm min.)									
封装 Coating	酚醛树脂, Phenolic resin									

代码 Code	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
D, mm max.	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	18.0	20.0	22.0	25.0