

概述

- 损耗小发热低
- 介质耐压强度高
- 有铅，但符合 ROHS 标准豁免条款
- 广泛使用于平板电视、监控电路、节能灯、电子整流器及其它高压高频电路

Introduction

- Low loss, less heat
- High dielectric voltage withstanding strength
- Have a lead, but comply with ROHS standard exemption clause
- Widely used in FPTV, monitoring circuit, CFL, electronic ballast and other high voltage, high frequency circuit

特性

Specifications

操作温度范围 Operating temperature range	-25°C to +85°C
电容量 (C _n) Capacitance (C _n)	Range: 100pF to 0.01uF Tolerance: K(±10%), M(±20%) 在 25±1°C 下使用 1kHz 1.0Vrms 进行测量，在允许偏差范围内。 Measured at 1kHz, 1.0Vrms and 25°C±1°C, within the specified tolerance.
损耗角正切(tanδ) Tangent of loss angle (tanδ)	Y5P (Bn), ≤0.005; Y5R, ≤0.002 测量条件同“电容量(C _n)” Measured condition see “Capacitance (CR)”
额定电压(U _n), DC Rated Voltage (U _n), DC	500V ~ 6000V 在两导线间施加 1.5 倍额定电压再加 500V，时间 1s 到 5s (充/放电电流小于 50mA)。 The capacitor should not be damaged when 1.5 times rated voltage plus 500V is applied between the lead wires for 1 to 5 sec (Charge / Discharge current ≤50mA).
绝缘电阻 Insulation Resistance	>10 000MΩ 在两导线间施加 500Vdc 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 DC500V 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 (Bn), Y5R

电容量与尺寸规格表

Capacitance and Dimension Chart

温度特性 T.C.	Y5P (Bn)				Y5R															
额定电压, VDC Rated Voltage, VDC	1kV	2kV 3kV	4kV	6kV	500V	1kV	2kV 3kV													
容量 Cap. (pF)																				
100				G																
120				G																
150				G																
180		E	E	G		E	E													
220	E	E	G	G		E	E													
270	E	E	G	G		E	E													
330	E	E	G	G		E	E													
390	E	E	G	I	D	E	F													
470	E	E	I	J	D	E	G													
560	E	E	I	K	D	E	H													
680	E	G	J	K	E	G	I													
820	E	H	K	L	F	I	J													
1000	F	H	L	M	F	I	L													
1500	H	J	M		H	J	M													
2200	J	L	O		J	M	N													
3300	K	O	P		L	N	P													
4700	N	P			M	P	T													
6800	P	R																		
10000	R	T																		
22000																				
误差 Tolerance (%)	±10				±10															
T, mm max.	4.0	4.5	5.0	6.0	3.5	4.0	4.5													
F, ±0.8mm	5.0	5.0/7.5	7.5/10	10	5.0	5.0	5.0/7.5													
D, ±0.05mm	0.45	0.50	0.55	0.60	0.45	0.45	0.50													
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 20mm) Lead length by customer requirements (No requirement: 20mm min.)																			
封装 Coating	环氧树脂 Epoxy 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