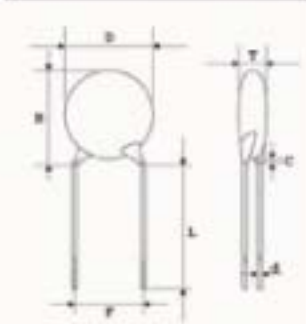
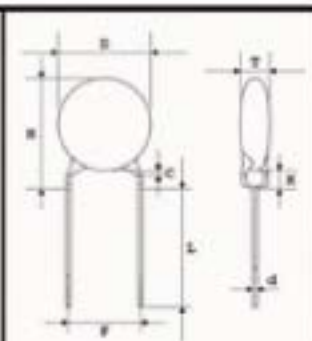
- 高介电常数型（High Dielectric Constant Type）电容器，是适用于作旁路、耦合或用在对损耗和电容量稳定性要求不高的电路中的具有高介电常数的一种电容器。
- 该类陶瓷介质是以在类别温度范围内电容量非线性变化来表征，其主要温度特性有：Y5P（B）、X7R（R）、Z5U、Y5U（E）、Y5V（F）、Z5V 等。

电容量范围：	100pF～0.1uF
额定电压(U_R)：	25VDC～6000VDC
耐电压(TV)：	在测量期间无击穿或漏电。 ◆ 试验电压：$U_R \leq 500V$ 时，施加 $2.5U_R$；$U_R > 500V$ 时，施加 $1.5U_R+500V$。 ◆ 充放电流（漏电流）小于 0.05A。 ◆ 测试时间：5s 以内。
电容量(C_R)：	在允许偏差范围内。 ◆ 测试频率：1KHz。 ◆ 测试电压：1.0Vrms。 ◆ 环境温度要求：25±1℃。
损耗角正切($\tan\delta$)：	$\tan\delta \leq 0.035$。 测量条件同电容量。
绝缘电阻(IR)：	不小于 4000MΩ 或 $IR \cdot C_R \geq 100s$（以较小值为标准）。 使用额定电压进行测量（当额定电压大于 500V 时，使用 500V 测量），测试时间为不超过 60s。
使用温度范围：	-25℃～+125℃
环保要求：	符合 RoHS 要求。

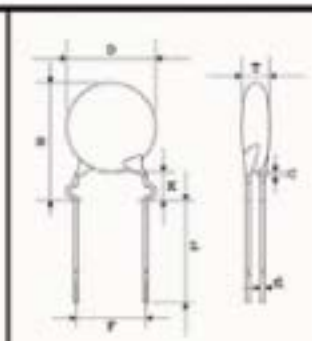


直脚



平行脚

内弯脚



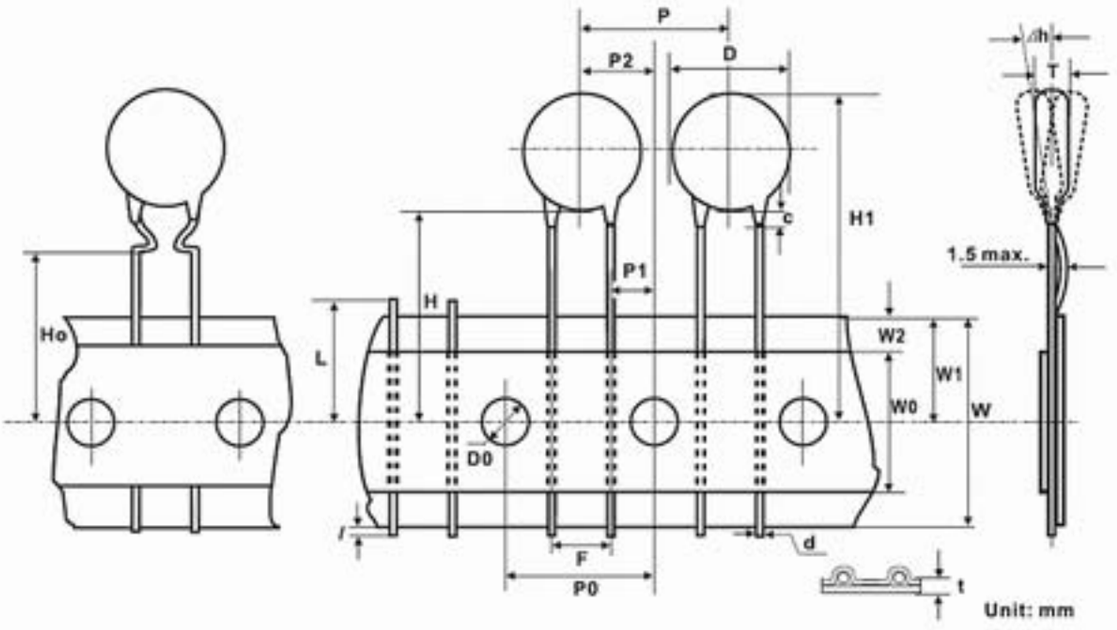
外弯脚

双弯脚

Rated Voltage (DC)		50V to 250V				500V / 630V				1KV / 1.6KV				2KV to 3KV				4KV				6KV			
Dielectric		Y5P	X7R	Y5U Z5U	Y5V Z5V	Y5P	X7R	Y5U Z5U	Y5V Z5V	Y5P	X7R	Y5U Z5U	Y5V Z5V	Y5P	X7R	Y5U	Y5V	Y5P	X7R	Y5U	Y5V	Y5P	X7R	Y5U	Y5V
Capacitance (pF)	100									C				D	D			D	D			D	D		
	120									C				D	D			D	D			D	D		
	150					C				C				D	D			D	D			D	D		
	180					C				C				D	D			D	D			D	D		
	220	A	A			C	C			C				D	D			D	D			D	D		
	270	A	A			C	C			C				D	D			D	D			D	D		
	330	A	A			C	C			C				D	D			D	D			D	D		
	390	A	A			C	C			C				D	D			D	D			F	F		
	470	A	A			C	C			C				D	D			E	E			F	F	D	
	560	A	A			C	C			C	D			F	F			F	F			G	G	D	
	680	A	A			C	C			C	D			G	F			G	G			H	H	E	
	820	A	A			C	C			D	D			G	G			H	H			I	I	F	
	1000	A	A			C	C	C		D	D	C	C	G	G	D	D	I	I	E	E	K	K	F	D
	1200	A	A			E	D	C		F	F	C	C	I	I	E	D	K	K	F	E	L	L	H	F
	1500	A	A			E	E	C		F	F	D	C	I	I	F	D	L	L	G	E	M	M	H	F
	1800	C	C			G	F	C		I	J	D	C	K	J	H	D	M	M	H	F	N	N	K	G
	2200	C	C	A		G	H	C	C	I	J	D	C	L	K	H	D	N	N	I	G	N	N	L	I
	2700	E	E	A		G	H	E	C	L	K	F	C	M	L	I	F			K	H			L	J
	3300	E	E	A		I	K	E	C	L	K	F	D	N	N	J	G			K	I			M	K
	3900	F	F	A		I	K	E	E	M	L	G	G	N	N	K	H			L	J			N	L
	4700	G	G	A	A	K	K	G	E	M	M	I	G	P	N	K	J			L	K			N	M
	5600	H	H	C	A	L	L	H	E	N	N	K	G	Q		L	K			N	K				M
	6800	J	J	D	A	M	M	H	G	O	N	K	I	Q		M	K			O	L				N
	8200	L	L	E	C	N	N	K	I	Q	Q	M	K	S		N	M				M				Q
Capacitance (μF)	0.010	L	L	E	C	N	N	K	I	Q	Q	M	L	S		N	N			P	N				Q
	0.015				G			M	M			P	M				N				P				
	0.022				J			N	M			P	N				Q								
	0.033							Q	N				P												
	0.047							S	O				S												
	0.068								Q																
	0.100								Q																
	0.150																								
Capacitance Tolerance		±10% ±20%		±20% +80~-20%		±10% ±20%		±20% +80~-20%		±10% ±20%		±20% +80~-20%		±10% ±20%		±20% +80~-20%		±10% ±20%		±20% +80~-20%		±10% ±20%		±20% +80~-20%	
Thickness (T) max.		3.5mm				4.0mm				4.5mm				5.0mm				6.0mm				8.0mm			
Lead Spacing (F) ±1.0mm		2.5mm / 5.0mm				2.5mm / 5.0mm				5.0mm/7.5mm/10mm				5.0mm/7.5mm/10mm				5.0mm/7.5mm/10mm				5.0mm/7.5mm/10mm			
Lead Diameter (d) ±0.1mm		0.5mm				0.5mm				0.5mm				0.6mm				0.6mm				0.6mm			
Coating		Phenolic resin				Phenolic resin				Phenolic resin or Epoxy resin				Epoxy resin				Epoxy resin				Epoxy resin			
Body color		Saffron yellow				Saffron yellow				Saffron yellow or Sky blue				Sky blue				Sky blue				Sky blue			

Unit: mm

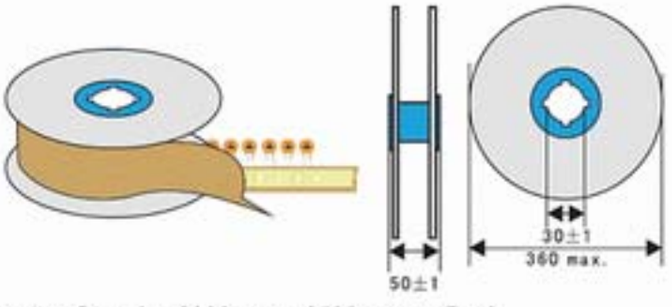
Code	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Diameter (D) max.	5.0mm	5.5mm	6.0mm	6.5mm	7.0mm	7.5mm	8.0mm	8.5mm	9.0mm	10mm	11mm	12mm	14mm	15mm	16mm	18mm	19mm	20mm	22mm	25mm



Item		Symbol	Specification		Remarks
			Value	Tolerance	
Body diameter		D	11.0	max.	
Body Thickness		T	3.5	max.	
Lead-wire diameter		d	0.6	+0.06/-0.05	
Pitch of component		P	12.7	±1.0	
Feed hole pitch		P0	12.7	±0.3	Cumulative pitch error: 1.0mm/20 pitch
Feed hole center to lead		P1	3.85	±0.7	To be measured at bottom of clinch
Hole center to component center		P2	6.35	±1.3	
Lead-to-lead distance		F	5.0 or 2.5	+0.8/-0.2	
Component alignment, F-R		Δh	0	±2.0	
Tape width		W	18.0	+1.0/-0.5	
Hold-down tape width		W0	11.0	min.	
Hole position		W1	9.0	+0.75/-0.5	
Hole-down tape position		W2	3.0	max.	
Height of component from tape center	For straight lead type	H	20.0	+1.0/-0.5	
	For kinked lead type	H0	16.0	±0.5	
Component height		H1	32.25	max.	
Lead-wire protrusion		l	2.0	max.	
Fee hole diameter		D0	4.0	±0.3	
Total tape thickness		t	0.7	±0.2	Ground paper: 0.5± 0.1mm
Length of snipped		L	11.0	max.	
Coating rundown on leads		C	1.5	max.	

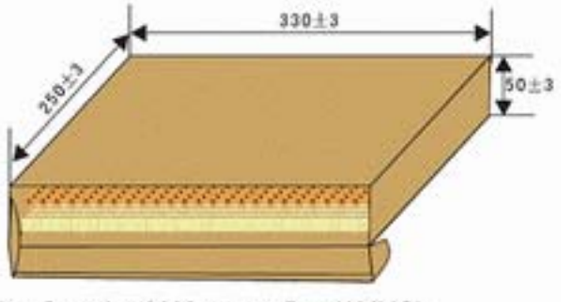
These radial taped ceramic disc capacitors are designed especially for automatic insertion.
The available types for radial taped disc are diameters φ11.0mm and under.

Packaging Format & Dimensions(unit: mm)



Capacitor Quantity: 2000pcs or 2500pcs per Reel.

Packaging Format & Dimensions (unit: mm)



Capacitor Quantity: 2000pcs per Box (AMMO).