

Disc type ceramic capacitors

Low loss (dissipation factor) type



Features

- RoHS complied.
- Low loss, less heat.
- High dielectric voltage withstanding strength.

Applications

- For use in horizontal TV, monitor circuits and other high - frequency, high voltage circuits.

General Specifications

Operating Temperature Range	-25°C to +125°C
Capacitance Range	100pF to 0.01uF
Rated Voltage (U _R)	500V to 6300V
Dielectric Strength	500V≤U _R ≤2kV: 1.5U _R +500V; U _R >2kV: 1.5U _R Both are 1-3s, 50mA max.
Capacitance (C _R)	Within the specified tolerance. Tested by 1kHz±20%, 1Vrms, 25±1°C
Dissipation Factor	BN (Y5P): 0.005 max. Y5R : 0.002 max.
Insulation Resistance	10000MΩ min. at 500V for 1 minute.

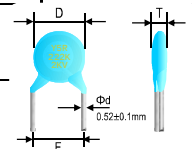
Capacitance Chart

PREFERRED SIZES ARE SHADED

Rated Voltage (DC)	500V / 630V	1000V / 1600V			2000V to 3000V		4000V	6000V
Dielectric	Y5R	Y5R	BN (Y5P)	Y5R	BN (Y5P)	BN (Y5P)	BN (Y5P)	
Capacitance (pF)	100						G	
	120						G	
	150						G	
	180		E			E	G	
220		E	E	E	E	G	G	
270		E	E	E	E	G	G	
330		E	E	E	E	G	G	
390	D	E	E	F	E	G	I	
470	D	E	E	G	E	I	J	
560	D	G	E	H	E	I	K	
680	E	G	E	I	E	J	K	
820	F	I	E	J	H	K	L	
1000	F	I	F	L	H	L	M	
1200	H	J	G	L	J	L		
1500	H	J	H	M	J	L		
1800	J	L	I	M	L	M		
2200	J	M	J	N	L	O		
2700	L	M	K	P	M	P		
3300	L	N	K	P	O	P		
3900	M	O	M	R	O	P		
4700	M	P	N	T	P			
5600			O		Q			
6800			P		R			
8200			Q		S			
10000			R		T			
Capacitance Tolerance	±10%, ±20%	±10%, ±20%			±10%, ±20%		±10%, ±20%	±10%, ±20%
Thickness (T) max.	4.0mm	4.5mm			5.0mm		6.0mm	8.0mm
Lead Spacing (F) ±1.0mm	5.0mm / 7.5mm / 10.0mm							

Technical drawing of a capacitor showing dimensions D (diameter), T (thickness), and F (lead spacing). A note indicates "1000 500V" and another specifies "Φd 0.52±0.1mm".

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



This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.