

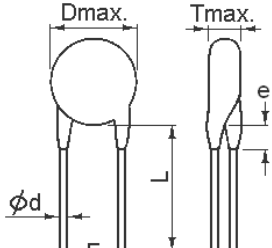
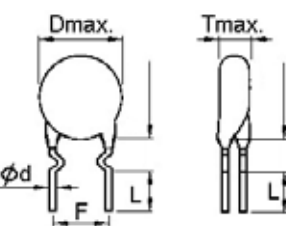
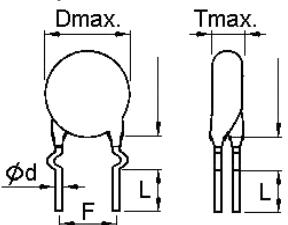
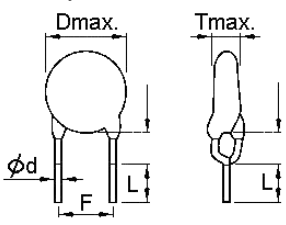
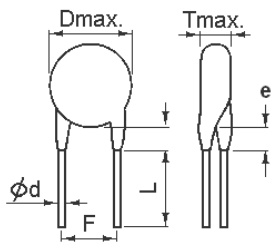
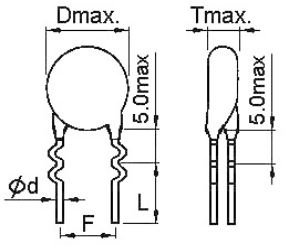
Features:

- Capacitance has non-linear temperature coefficient
- Large capacitance in small size
- Epoxy Coating for 2KV and 3KV parts (equivalent to UL94V-0 standards)
- RoHS Compliance
- Halogen free products are available
- Wide range of general purposes applications

General specification:

Capacitance Range	100pF to 22000pF
Capacitance Tolerance	±10%(for Y5P), ±20%(for Z5U), +80% -20%(for Z5U&Z5V&Y5V)
Operating Temperature Range	-25°C~ +85°C(Y5P,Y5V) ; 10°C~ +85°C(Z5U, Z5V)
Rated Voltage	50,100, 500,1000,2000,3000VDC
Dissipation Factor (tan δ)	Y5P, Z5U : tanδ≤2.5%, Z5V, Y5V : tanδ≤5.0%
Insulation Resistance (IR) @ 25°C	10,000 MΩMinimum or 200 MΩμF whichever is smaller
Dielectric Strength	50~500VDC: 2.5 times the rated WVDC; 1K,2K,3KVDC: 2 times the rated WVDC
Testing Parameters	1KHz ±20%, 1.0Vrms±0.2Vrms

Lead style:

Lead type	Lead Code	Lead configuration	Lead type	Lead Code	Lead configuration
Type 1 Straight long lead	B	lead style:B 	Type 4 Inside kink lead	H	lead style:H 
Type 2 Outside kink lead	X	lead style:X 	Type 5 Vertical kink short lead	D	lead style:D 
Type 3 Straight short lead	L	lead style:L 	Type 6 Double outside kink lead	M	lead style:M 

CERAMIC DISC CAPACITOR

Class II 50V,100V,500V,1KV,2KV,3KV, Hi-K Type

Manufacturing product range Cap. Value v.s. Rate voltage, product diameter & type

Photo:




T.C.	Y5P (CLASS II, Temperature:-25℃~+85℃, T.C.C.:±10%)																												
Rate voltage	50V(YP500) & 100V(YP101)							500V(YP501)									1KV(YP102)						2KV(YP202)						
Dφ(Code)	040	050	060	070	080	090	100	040	050	060	070	080	090	100	110	130	050	060	070	080	100	120	060	080	090	100	130	140	
D max. (mm)	4.5	5.5	6.5	7.5	8.5	9.5	11.0	4.5	5.5	6.5	7.5	9.0	10.0	11.0	12.0	14.0	6.0	7.0	8.0	9.0	11.0	13.0	7.5	9.5	10.5	11.5	14.5	15.5	
T max. (mm)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	
100	101							101									101						101						
120	121							121									121						121						
150	151							151									151						151						
180	181							181									181						181						
200	201							201									201						201						
220	221							221									221						221						
240	241							241									241						241						
270	271							271									271						271						
330	331							331									331						331						
390	391							391									391						391						
470	471							471									471						471						
560	561							561									561						561						
680	681							681										681					681						
820	821								821									821						821					
1000	102								102									102						102					
1200		122								122									122						122				
1500		152								152									152						152				
1800		182									182									182					182				
2000		202									202									202					202				
2200		222									222									222					222				
2700			272								272										272					272			
3000			302								302										302								
3300			332									332									332						332		
3900				392								392										392					392		
4700				472									472									472					472		
5000					502								502																
5600					562								562																
6800						682								682															
8200							822								822														
10000							103								103														
φd (mm)	0.6±0.06																												
Packing	T or B					B		T or B							B		T or B				B		T or B					B	
Coating	Phenolic Resin																						Epoxy Resin						

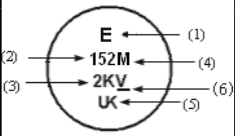
Marking	1. Temperature characteristic	2. Nominal capacitance	3. Rated voltage		4. Capacitance tolerance	5. manufacturer's identification	6. Halogen and Pb free
	Be marked "B".	Identified by 3-figure code. Ex. 1000pF→"102" 3300pF→"332"	50V/100V	Marked as underline	K:±10%	Shall be marked as "UK", but Dφ=6.0 mm and less in Dia shall be omitted.	There is a " " marking under the code "V" as the coating is Halogen and Pb free Epoxy.
			500V	No marking (is blank)			
			1000V	Marked "1kV"			
			2000V	Marked "2kV"			

P.S. : Packing : T→ Packing in taping type. B→ Packing in bulk type.

CERAMIC DISC CAPACITOR

Class II 50V,100V,500V,1KV,2KV,3KV, Hi-K Type


Manufacturing product range Cap. Value v.s. Rate voltage, product diameter & type											Photo:							
T.C.	Z5U (CLASS II, Temperature: +10℃~+85℃, T.C.C.: +22~-56%)																	
Rate voltage	50V(ZU500)&100V(ZU101)				500V(ZU501)				1KV(ZU102)				2KV(ZU202)					
Dφ(Code)	040	050	060	070	050	060	070	090	050	070	090	100	060	070	080	090	110	130
D max. (mm)	4.5	5.5	6.5	7.5	5.5	6.5	7.5	9.5	6.0	8.0	10.0	11.0	7.5	8.5	9.5	10.5	12.5	14.5
T max. (mm)	3.5	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
1000					102				102				102					
1200					122				122				122					
1500					152				152					152				
2200	222				222				222					222				
2700	272				272					272					272			
3300	332					332				332					332			
3600	362					362				362						362		
3900	392					392				392						392		
4700	472						472			472						472		
5000		502								502								
5600							562										562	
6800							682				682						682	
8200			822									822						822
10000				103				103				103						103
φd (mm)	0.6±0.06																	
Packing	T or B																	B
Coating	Phenolic Resin												Epoxy Resin					

Marking	1. Temperature characteristic	2. Nominal capacitance	3. Rated voltage		4. Capacitance tolerance	5. manufacturer's identification	6. Halogen and Pb free
	Be marked "E".	Identified by 3-figure code. Ex. 1000pF→"102" 3300pF→"332"	50V/100V	Marked as underline	M:±20% Z:-20~+80%	Shall be marked as "UK", but Dφ=6.0 mm and less in Dia shall be omitted.	There is a " _ " marking under the code "V" as the coating is Halogen and Pb free Epoxy.
			500V	No marking (is blank)			
			1000V	Marked "1kV"			
			2000V	Marked "2kV"			

P.S. : Packing : T→ Packing in taping type. B→ Packing in bulk type.

CERAMIC DISC CAPACITOR

Class II 50V,100V,500V,1KV,2KV,3KV, Hi-K Type

Manufacturing product range Cap. Value v.s. Rate voltage, product diameter & type	Photo: 
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T.C.	Z5V (CLASS II, Temperature: +10°C~+85°C, T.C.C.: +22~-82%)								
Rate voltage	50V(ZV500) & 100V(ZV101)				500V(ZV501)	1KV(ZV102)			2KV(ZV202)
Dφ (Code)	050	060	070	080	080	060	080	100	120
D max. (mm)	5.5	6.5	7.5	8.5	9.0	7.0	9.0	11.0	13.5
T max. (mm)	3.5	3.5	3.5	3.5	4.0	4.5	4.5	4.5	4.5
1000	102								
1500	152					152			
2200	222					222			
2700	272					272			
3300	332					332			
3900	392						392		
4700	472						472		
10000		103			103			103	103
20000			203						
22000				223					
φd (mm)	0.6±0.06								
Packing	T or B								B
Coating	Phenolic Resin								Epoxy Resin

T.C.	Y5V (CLASS II, Temperature: -25°C~+85°C, T.C.C.: +22%~-82%)												
Rate voltage	50V(YV500)				100V(YV101)			500V(YV501)			1KV(YV102)	2KV(YV202)	
Dφ (Code)	040	050	060	080	040	050	060	050	070	080	100	070	120
D max. (mm)	4.5	5.5	6.6	8.5	4.5	5.5	6.6	5.5	7.5	8.5	11.0	8.5	13.5
T max. (mm)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0	4.0	4.0	4.5	5.0	5.0
1000	102				102							102	
2200		222				222		222				222	
4700		472				472			472				
10000			103				103			103	103		103
22000				223									
φd (mm)	0.6±0.06												
Packing	T or B											B	
Coating	Phenolic Resin											Epoxy Resin	

Marking	1. Temperature characteristic	2. Nominal capacitance	3. Rated voltage		4. Capacitance tolerance	5. manufacturer's identification	6. Halogen and Pb free
	Z5V,Y5V: the logo is "F", but the "F" shall be omitted.	Identified by 3-figure code. Ex. 1000pF→"102" 3300pF→"332" 4700pF→"472"	50V/100V	Marked as underline	M:±20% Z:-20~+80%	Shall be marked as "UK", but Dφ=6.0 mm and less in Dia shall be omitted.	There is a " _ " marking under the code "V" as the coating is Halogen and Pb free Epoxy.
			500V	No marking (is blank)			
			1000V	Marked "1kV"			
			2000V	Marked "2kV"			

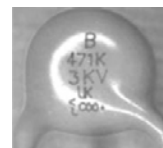
CERAMIC DISC CAPACITOR

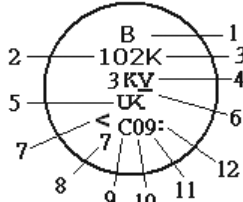
Class II 50V,100V,500V,1KV,2KV,3KV, Hi-K Type

Manufacturing product range
Cap. Value v.s. Rate voltage, product diameter & type

Photo: Y5P

Z5U



T.C.	Y5P (CLASS II, Temperature:-25℃~+85℃, T.C.C.:±10%)					Z5U (CLASS II, Temperature: +10℃~+85℃, T.C.C.: +22~-56%)						
Rate voltage	3KV(YP302)					3KV(ZU302)						
Dφ (Code)	060	070	090	110	130	060	080	100	110	120	140	170
D max. (mm)	8.0	9.0	11.0	13.0	15.0	8.0	10.0	12.0	13.0	14.0	16.0	19.0
T max. (mm)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
100	101											
120	121											
150	151											
180	181											
220	221											
270	271											
330	331											
390		391										
470		471										
560		561										
680			681									
820			821									
1000			102			102						
1200				122			122					
1500				152			152					
1800				182			182					
2200					222		222					
2700								272				
3300								332				
3900									392			
4700										472		
5600											562	
6800											682	
8200												822
10000												103
φd (mm)	0.6±0.06											
Packing	TAPING or BULK											
Coating	Epoxy Resin											
	1. Temperature characteristic	2. Nominal capacitance	3. Capacitance tolerance	4. Rated voltage	5. Manufacturer's identification	6. Halogen and Pb free						
	Y5P:Be marked "B" Z5U:Be marked "E"	Identified by 3-figure code when Cap.≥100pF Ex. 1000pF →"102"	K:±10%(for Y5P) M:±20%(for Z5U)	3000V : Be marked "3kV"	Shall be marked as "UK", but when the body diameter ≤060 shall be omitted.	When the epoxy resin is Halogn and Pb free, there is a "-"marking.						
	Definition of date code marking:											
	7.Supplier of Epoxy	8.No. of test equipment	9.Factory of manufacture	10.Year of manufacture	11.Month of manufacture	12.Week of manufacture by month						
<: K-company , : P-company	1~9: No.1~No.9, J: No.10, K: No.11, L: No.12	C: GZ Plant D: DL Plant	1:2011, 2:2012, 3:2013,	1~9: January~September, O: October, N: November, D: December	week 1: – week 2: • week 3: : week 4: ' week 5: ;							