

CERAMIC DISC CAPACITOR

Temperature Compensating Ceramic Capacitor
High Dielectric Constant Capacitor

Specification

Capacitor Range	1PF ~ 4700PF
Capacitor Tolerance	±5% (J) , ±10% (K) , ±20% (M) , +80-20% (Z)
Operation Temperature	-25°C ~ +85°C
Rated Voltage	500V ~ 40KV
Dissipation Factor (DF)	NPO , SL : C ≥ 30PF Q ≥ 1000 C < 30PF Q ≥ 400+20+C Y5P , Z5U : C ≤ 2.5% Z5V : C ≤ 3.5%
Insulation Resistance (I.R.)	10000MΩ at 25°C , W.V.DC, 60 seconds
Dielectric Strength	2.5 x W.V.DC, 1-5 seconds



Characteristics/Nominal Capacitance/Capacity Tolerance

Rated voltage (KV,DC)	Class I				Class II				Dimensions (mm)				
	SL(PF)	Tol	Y5P(PF)	TOL	Z5U(PF)	Tol	Z5V(PF)	TOL	D	T	F	d	
1	1~22	K	100~180	K	1000	M	2200	Z	5.0	4.0	5.0	0.6	
	27~30		220~390						1500~2200				6.0
	33~47		470~680										
	68~100	820~1000	4700		7.0								
	120	1200~1800					10000		8.0				
	150~220	2200~2700	22000		10.0								
	270	3300~3900					14.0		10.0				
	330~390	4700	9.5		12.0								
	470	5600					9.5		15000				
560~680	6800~10000												
2		K	100~180	K	680	M	1000	Z	6.0	5.0	7.5	0.6	
			220~390		1500		2200		7.0				
	47		470										4700
	56~68	560~680	2200		8.0								
	82~100	820~1000					10000		9.0				
	120	1200~1500	14.0		12.0								
	150~180	1800~2200					9.5		13.0				
	220	2700	9.5		14.0								
	270~330	3300											
	3900~4700												
3		K	100~180	K	220~470	M	1000	Z	6.0	6.0	7.5	0.65	
			220~390		1000		6.0						
	47		470						2200				7.0
	56~82	560~680	4700		9.0								
	100	820~1000					10000		10.0				
	120~150	1200	14.0		13.0								
	180	1500					9.5		14.0				
	220~270	1800~2200											
		2700~3300											
	47~100	K	150~220	K	470	M	1000	Z	6.0	8.0	9.5	0.65	
	150		330		6.0								
47	220	4700					6.0						
56~68	330		2200		8.0								
82~100	470	10000					10.0						
120~150	680		14.0		12.0								
	1000	9.5					13.0						