

### INTRODUCTION

Single layer metalized ceramic disc with resin coating (wax impregnated) below 1KV or epoxy coated 1KV up.

Common Usage:

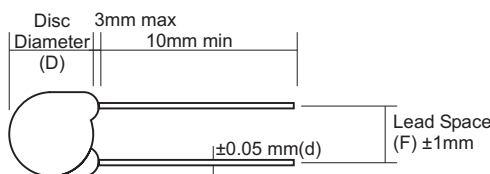
- By-Pass & Coupling
- Frequency Discriminating Circuits where Q and capacitance stability is not of major importance.
- Filtering, Blocking & Timing

### SPECIFICATIONS

Technical Data	Condition	Specification
Capacitance	Measured at 1KHz 1.0 ~ 5.0 VRMS, 25°C	80pF - 0.1 F
Insulation Resistance	<500Vdc	7500M min or RxC>75 -F
Operating Temperature	Z5 : F, P, U & V Y5 : P & U	+10°C~+85°C -30°C~+85°C
Dissipation Factor (DF)	Y5 : E, F, P & U; Z5 : F, P & U	2.5% max 5.0% max
Encapsulation	Standard Available on Request	Phenolic Wax Epoxy Coating

### PART NUMBER EXAMPLE

**2 ZU 103 M 501 A57 B**



### DIMENSIONS (mm) Maximum Disc Diameter

(F:Standard Lead Spacing. Other lead spacing may be available upon request.)

Thickness Voltage	4.0 mm max.												5.0	6.5	8.0	14.0			
	50V/100V			500V			1KV		2KV		3KV						5KV/6KV		10KV
	Y5E Y5F Y5P Z5F	ZU YU	ZV	Y5E Y5F Y5P Z5F	ZU YU	ZV	Y5E Y5F Y5P Z5F	ZU YU	Y5E Y5F Y5P Z5F	ZU	Y5E Y5F Y5P Z5F	ZU					YP ZU	YP	
Cap (pf)	Code																		
82	820																		
100	101																		
120	121	5.5 F=2.5		6 F=5.0		6 F=6.35		6 F=6.35		6 F=6.35		8 F=6.35		9 F=9.5					
180	181																		
200	201													13 F=12.7					
220	221																		
240	241																		
300	301																		
330	331																		
390	391																		
470	471																		
500	501													15 F=12.7					
560	561																		
680	681																		
750	751	5 F=2.5		7.5 F=6.35		6 F=5.0		8 F=6.35		7 F=6.35		10 F=9.5							
820	821																		
1000	102																		
1200	122																		
1500	152	6.5 F=5.0		8.5 F=6.35		10 F=6.35		10 F=6.35		10 F=6.35		7 F=6.35							
1800	182																		
2000	202																		
2200	222																		
2500	252	7.5 F=5.0		6 F=5.0		8.5 F=6.35		9 F=6.35		13 F=9.5		8 F=6.35							
2700	272																		
3000	302																		
3300	332																		
3900	392			5.5 F=2.5		10 F=6.35		11 F=9.5		15 F=9.5		10 F=6.35							
5000	502	10 F=5.0		8 F=5.0		7 F=5.0		14 F=9.5		15 F=9.5		10 F=6.35							
5600	562																		
6800	682																		
7500	752	11.5 F=5.0		8 F=5.0		7 F=5.0		15 F=9.5		12 F=6.35		10.5 F=6.35							
8200	822																		
10000	103																		
15000	153	15 F=5.0		10 F=5.0		9.5 F=5.0		17 F=9.5		12 F=9.5		13 F=9.5							
20000	203																		
22000	223																		
33000	333	17 F=9.5		12.5		11		23 F=9.5		15 F=9.5		25 F=9.5							
47000	473																		
56000	563																		
100000	104																		

•Other temperature coefficients and voltages are available. Contact RFE International, Inc. for more details.