

CERAMIC CAPACITORS

CLASS 1 Series: Temperature Compensating

INTRODUCTION

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

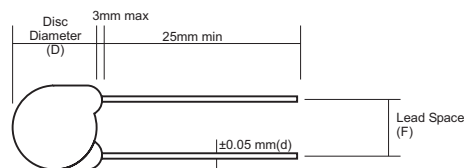
- Low Capacitance 0.5pf ~ 1200pf
- High Q
- High Stability
- Resonant Circuit Applications
- Timing Circuit Applications

SPECIFICATIONS

Technical Data	Condition	Specification
Capacitance	Measured at 1 MHz $\pm 10\%$	1.0 - 5.0 Vrms, 25°C
Q	C0G(NP0)	C>30pF
	S2L	C<30pF
Insulation Resistance	<500 Vdc	20KMW min
Operating Temperature		-55°C ~ +85°C
Encapsulation	Standard	Phenolic Wax
	Available on Request	Epoxy Coating

PART NUMBER EXAMPLE

1 CG 101 J 500 A54 B



DIMENSIONS (mm) Max Disc Diameter

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

Thickness		4.0 mm max.						5.0		6.5		8.0	
Voltage		50 / 100V		500V		1KV		2KV		3KV		5K / 6KV	
Cap (pf)	Code	CG	SL	CG	SL	CG	SL	CG	SL	CG	SL	SL	
1	1R0	5 F=2.5		5 F=2.5		5 F=2.5		6 F=5.0		7 F=5.0		7 F=9.5	
5.1	5R1												
10	100												
12	120												
15	150			6 F=5.0		6 F=5.0		6 F=5.0		7 F=6.35		8 F=9.5	
18	180												
20	200												
22	220												
24	240			5 F=2.5		5 F=2.5		8 F=6.35		9 F=6.35		9 F=9.5	
27	270												
30	300		5 F=2.5										
33	330												
39	390			7 F=5.0		7 F=5.0		10 F=6.35		12 F=6.35		10 F=9.5	
47	470												
51	510	6 F=2.5											
56	560												
62	620			8 F=5.0		8 F=5.0		6 F=5.0		12 F=6.35		10 F=9.5	
68	680												
75	750												
82	820	7 F=5.0											
91	910			9 F=5.0		9 F=5.0		12 F=6.35		14 F=9.5		11 F=9.5	
100	101												
120	121												
130	131	8 F=5											
150	151			10 F=5		10 F=5		14 F=9.5		12 F=6.35		13 F=6.35	
180	181		6 F=5.0										
200	201	9 F=5											
220	221												
240	241			12 F=5.0		12 F=5.0		8 F=6.35		14 F=9.5		18 F=9.5	
270	271		8 F=5.0										
300	301												
330	331												
390	391			9 F=5.0		9 F=5.0		10 F=5.0		14 F=6.35			
470	471		9 F=5.0										
510	511												
560	561												
680	681			10 F=5.0		14 F=6.35							
750	751												
850	851												
1000	102												
1200	122												

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