

INTRODUCTION

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

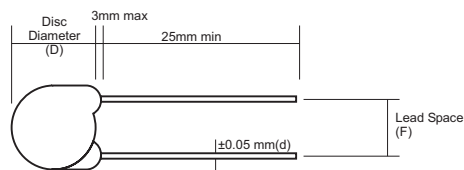
- Low Capacitance 0.5pf ~ 1200pf
- High Q
- High Stability
- Resonant Circuit Applications
- Timing Circuit Applications

SPECIFICATIONS

| Technical Data | Condition | Specification |
|-----------------------|------------------------|--------------------------|
| Capacitance | Measured at 1 MHz ±10% | 1.0 - 5.0 Vrms, 25°C |
| Q | C0G(NP0) | C>30pF Q>1000 |
| | S2L | C<30pF Q>400 + 20 X C |
| 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 Voltage | 4.0 mm max. | | | | | | | | | | | |
|----------------------|-------------|-------|-------|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| | 50 / 100V | | 500V | | 1KV | | 5.0 | | 6.5 | | 8.0 | |
| | Cap (pf) | Code | CG | SL | CG | SL | CG | SL | CG | SL | CG | SL |
| 1 | 1R0 | 5 | | 5 | | 5 | | 6 | | 7 | | 7 |
| 5.1 | 5R1 | F=2.5 | | F=2.5 | | F=2.5 | | F=5.0 | | F=5.0 | | F=9.5 |
| 10 | 100 | | | | | | | | | | | |
| 12 | 120 | | | | | 6 | | | | | | |
| 15 | 150 | | | | | F=5.0 | | | | | | |
| 18 | 180 | | | 6 | | | | | | | | |
| 20 | 200 | | | F=5.0 | | | | | | | | |
| 22 | 220 | | | | | | | | | | | |
| 24 | 240 | | | | | 5 | | | | | | |
| 27 | 270 | | | F=2.5 | | | | | | | | |
| 30 | 300 | | 5 | | | | | | | | | |
| 33 | 330 | | F=2.5 | | | | | | | | | |
| 39 | 390 | | | | | | | | | | | |
| 47 | 470 | | | 7 | | 7 | | | | | | |
| 51 | 510 | | | F=5.0 | | F=5.0 | | | | | | |
| 56 | 560 | 6 | | | | | | | | | | |
| 62 | 620 | F=2.5 | | | | | | | | | | |
| 68 | 680 | | | 8 | | 8 | | | | | | |
| | | | | F=5.0 | | F=5.0 | | | | | | |
| 75 | 750 | | | | | | | | | | | |
| 82 | 820 | 7 | | | | | | | | | | |
| 91 | 910 | F=5.0 | | 6 | | 9 | | | | | | |
| | | | | F=5.0 | | F=5.0 | | | | | | |
| 100 | 101 | | | | | | | | | | | |
| 120 | 121 | | | | | 10 | | | | | | |
| 130 | 131 | 8 | | | | F=5.0 | | | | | | |
| | | F=5 | | | | | | | | | | |
| 150 | 151 | | | | | | | | | | | |
| 180 | 181 | | | | | | | | | | | |
| 200 | 201 | 9 | 6 | | | | | | | | | |
| | | F=5 | F=5.0 | | | | | | | | | |
| 220 | 221 | | | | | | | | | | | |
| 240 | 241 | 10 | | | | | | | | | | |
| 270 | 271 | F=5 | | | | | | | | | | |
| | | | | | | | | | | | | |
| 300 | 301 | | | | | | | | | | | |
| 330 | 331 | 12 | | | | | | | | | | |
| 390 | 391 | F=5 | | | | | | | | | | |
| | | | | | | | | | | | | |
| 470 | 471 | | | | | | | | | | | |
| 510 | 511 | | 9 | | | | | | | | | |
| 560 | 561 | | F=5.0 | | | | | | | | | |
| | | | | | | | | | | | | |
| 680 | 681 | | | | | | | | | | | |
| 750 | 751 | | | | | | | | | | | |
| 850 | 851 | | 10 | | | | | | | | | |
| | | | F=5.0 | | | | | | | | | |
| 1000 | 102 | | | | | | | | | | | |
| 1200 | 122 | | | | | | | | | | | |

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