Lower Voltage Ceramic Disc Capacitors
1000 VDC Precision Capacitors

Fig. 1

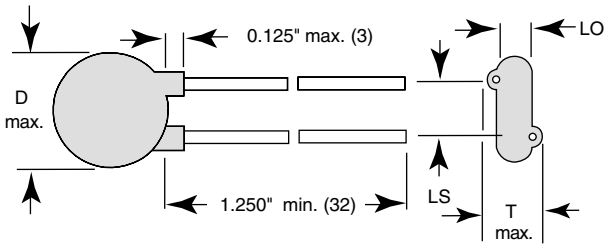
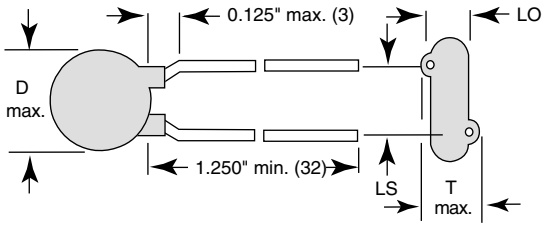


Fig. 2



LEAD OFFSET 'LO" (NOMINAL)	
1000 VDC	0.050" (1.3 mm)

INSULATION RESISTANCE
Min. 1000 ΩF or 50 000 MΩ

TOLERANCE ON CAPACITANCE
± 5 %

DISSIPATION FACTOR
0.1 % max. at 1 MHz; 1 V

CATEGORY TEMPERATURE RANGE
(- 55 to + 125) °C

CLIMATIC CATEGORY ACC. TO EN60068-1
55/125/21

OPERATING TEMPERATURE RANGE
(- 55 to + 105) °C

FEATURES
- Ultra stable over temperature and voltage
- Used when the ultimate in stability is required
- Radial leads

RoHS COMPLIANT

APPLICATIONS
- Temperature compensating
- Resonant circuit

DESIGN
The capacitors consist of a ceramic disc of which both sides are silver-plated. Connection leads are made of tinned copper or tinned copper clad steel having diameters of 0.020" (0.51 mm) or 0.025" (0.64 mm).
The capacitors may be supplied with radial kinked or straight leads having lead spacing of 0.250" (6.35 mm) or 0.375" (9.5 mm).
Coating is made of flame retardant epoxy resin in accordance with *"UL 94 V-0"*.

CAPACITANCE RANGE
1.0 pF to 680 pF

RATED VOLTAGE
1000 VDC

DIELECTRIC STRENGTH BETWEEN LEADS
Component test:
2500 VDC, 2 s

CERAMIC DIELECTRIC
C0K, C0G, U2J, M3K, S3N (Class 1)

ORDERING INFORMATION, CERAMIC 1000 VDC PRECISION CAPACITORS

C (pF)	TOL. (%)	D DIAMETER INCH (mm)	T THICKNESS INCH (mm)	LS LEAD SPACE	WIRE SIZE AWG	WIRE SIZE INCH (mm)	FIG.	ORDERING CODE
C0K								
1.0	± 0.5 pF	0.250 (6.4)	0.156 (4.0)	0.250 (6.4)	24	0.020 (0.51)	2	561R10TCCV10
2.2								561R10TCCV22
2.7								561R10TCCV27
C0G (NP0)								
3.0	± 0.5 pF	0.250 (6.4)	0.156 (4.0)	0.250 (6.4)	24	0.020 (0.51)	2	561R10TCCV30
3.3								561R10TCCV33
3.9								561R10TCCV39
4.7								561R10TCCV47
5.0								561R10TCCV50
5.6								561R10TCCV56
6.8								561R10TCCV68
8.2								561R10TCCV82
10	± 5 %							561R10TCCQ10
12								561R10TCCQ12
15								561R10TCCQ15
18		0.290 (7.4)	0.156 (4.0)	0.250 (6.4)				561R10TCCQ18
20								561R10TCCQ20
22								561R10TCCQ22
25								561R10TCCQ25
27		0.370 (9.4)	0.156 (4.0)	0.250 (6.4)	22	0.025 (0.64)		561R10TCCQ27
30								561R10TCCQ30
33								561R10TCCQ33
39								561R10TCCQ39
47		0.440 (11.2)	0.156 (4.0)	0.250 (6.4)			1	561R10TCCQ47
50								561R10TCCQ50
56								561R10TCCQ56
68		0.490 (12.4)	0.156 (4.0)	0.250 (6.4)				561R10TCCQ68
100		0.560 (14.2)	0.156 (4.0)	0.375 (9.5)				561R10TCCT10
120								561R10TCCT12
220		0.760 (19.3)	0.156 (4.0)	0.375 (9.5)				561R10TCCT22
U2J (N750)								
33	± 5 %	0.290 (7.4)	0.156 (4.0)	0.250 (6.4)	24	0.020 (0.51)	2	561R10TCUQ33
68		0.370 (9.4)	0.156 (4.0)	0.250 (6.4)	22	0.025 (0.64)		561R10TCUQ68
M3K (N1000)								
560	± 5 %	0.560 (14.2)	0.156 (4.0)	0.375 (9.5)	22	0.025 (0.64)	1	561R10TCUT56
S3N (N3300)								
680	± 5 %	0.630 (16.0)	0.156 (4.0)	0.375 (9.5)	22	0.025 (0.64)	1	561R10TCUT68

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