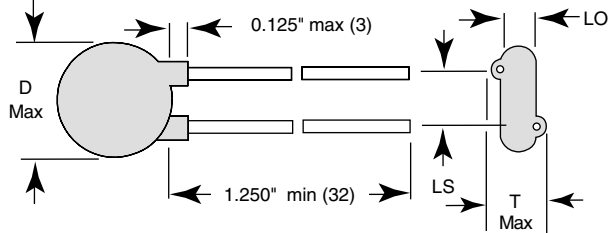
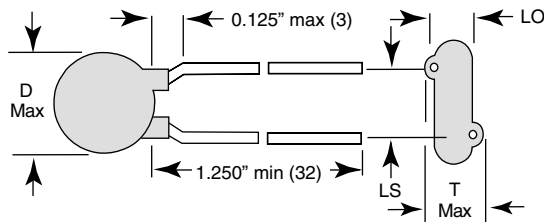


Lower Voltage Ceramic Disc Capacitors 1000 VDC Temperature & Voltage Stabilized

Fig. 1

Fig. 2


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

INSULATION RESISTANCE:

 min. 1000 Ω F or 50 000 MOhms

TOLERANCE ON CAPACITANCE:
 $\pm 10\%$
DISSIPATION FACTOR:

2.0 % max. at 1 kHz; 1 V

CATEGORY TEMPERATURE RANGE:

(- 55 to + 125) °C C0G, U2J

(- 25 to + 85) °C X5F, X5S

CLIMATIC CATEGORY ACC. TO EN60068-1:

55/125/21 C0G, U2J

25/085/21 X5F, X5S

OPERATING TEMPERATURE RANGE:

(- 55 to + 105) °C

FEATURES

- Low losses
- High stability
- High capacitance in small size
- Complete Range of Capacitance Values


**RoHS
COMPLIANT**
APPLICATIONS

- Bypassing
- Resonant circuit
- Coupling

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).

The standard tolerances are $\pm 10\%$ or $\pm 20\%$.

Coating is made of resin coating or flame retardant epoxy resin in accordance with "UL94V-0".

CAPACITANCE RANGE:

 10 pF to 0.10 μ F

RATED VOLTAGE:

1000 VDC

DIELECTRIC STRENGTH BETWEEN LEADS:

Component test:

2500 VDC, 2 s

CERAMIC DIELECTRIC:

C0G, U2J (Class 1)

X5F, X5S (Class 2)



ORDERING INFORMATION, CERAMIC 1000 VDC TEMPERATURE & VOLTAGE STABILIZED														
C (pF)	TOL. (%)	D DIAMETER INCH (mm)	T THICKNESS INCH (mm)	LS LEAD SPACE INCH (mm)	WIRE SIZE		FIG.	ORDERING CODE						
					AWG	INCH (mm)								
COG (NP0)														
10	± 10 %	0.250 (6.4)	0.156 (4.0)	0.250 (6.4)	24	0.020 (0.51)	2	561R10TSQ10						
25		0.290 (7.4)	0.156 (4.0)	0.250 (6.4)				561R10TSQ25						
U2J (N750)														
27	± 10 %	0.250 (6.4)	0.156 (4.0)	0.250 (6.4)	24	0.020 (0.51)	2	561R10TSQ27						
30								561R10TSQ30						
33								561R10TSQ33						
39		0.290 (7.4)	0.156 (4.0)	0.250 (6.4)				561R10TSQ39						
47								561R10TSQ47						
50								561R10TSQ50						
X5F														
56	± 10 %	0.250 (6.4)	0.156 (4.0)	0.250 (6.4)	24	0.020 (0.51)	2	562R10TSQ56						
68								562R10TSQ68						
75								562R10TSQ75						
82								562R10TSQ82						
100								562R10TST10						
120								562R10TST12						
150								562R10TST15						
180								562R10TST18						
200								562R10TST20						
220								562R10TST22						
250								562R10TST25						
270								562R10TST27						
300								562R10TST30						
330								562R10TST33						
390		562R10TST39												
470		562R10TST47												
500		562R10TST50												
560		0.290 (7.4)	0.156 (4.0)	0.250 (6.4)	24	0.020 (0.51)	2	562R10TST56						
680								562R10TST68						
750								562R10TST75						
820								562R10TST82						
1000								562R10TSD10						
1500								0.440 (11.2)	0.156 (4.0)	0.250 (6.4)	22	0.025 (0.64)	1	562R10TSD15
2000								0.490 (12.4)	0.156 (4.0)	0.375 (9.5)				562R10TSD20
2200								0.490 (12.4)	0.156 (4.0)	0.375 (9.5)				562R10TSD22
2700								0.560 (14.2)	0.156 (4.0)	0.375 (9.5)				562R10TSD27
3300	0.560 (14.2)							0.156 (4.0)	0.375 (9.5)	562R10TSD33				
4700	0.680 (17.3)							0.156 (4.0)	0.375 (9.5)	562R10TSD47				
X5S														
0.010 μF	± 10 %	0.680 (17.3)	0.156 (4.0)	0.375 (9.5)	22	0.025 (0.64)	1	562R10TSS10						

TAPE & REEL OPTIONS

Tape & Reel available on diameter sizes 0.250" to 0.680"

To specify T & R, add two letter suffix to the ordering code (Details of the packaging code see general section of the catalog)



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