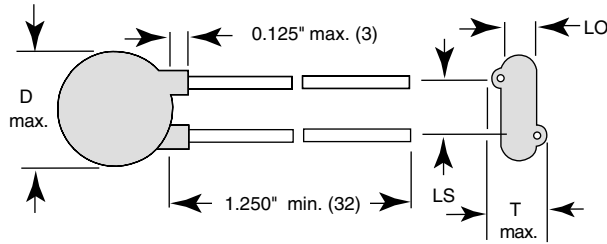
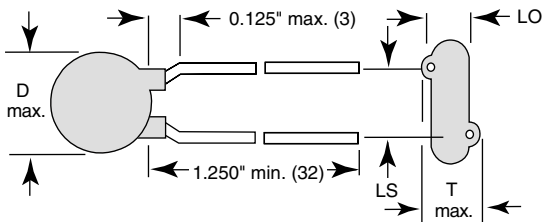


Lower Voltage Ceramic Disc Capacitors 1000 VDC General Purpose

Fig. 1

Fig. 2


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

INSULATION RESISTANCE

 1000 VDC: min. 1000 Ω F or 20 000 M Ω
TOLERANCE ON CAPACITANCE
 $\pm 20\%$
DISSIPATION FACTOR

1000 VDC: 2.5 % max. at 1 kHz; 1 V

CATEGORY TEMPERATURE RANGE

(- 55 to + 125) °C C0G, U2J, X7R

(- 25 to + 85) °C X5F, Y5U, Z5U

CLIMATIC CATEGORY ACC. TO EN60068-1

55/125/21 C0G, U2J, X7R

25/085/21 X5F, Y5U, Z5U

OPERATING TEMPERATURE RANGE

(- 55 to + 105) °C

FEATURES

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


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 tolerance is $\pm 20\%$.

Coating is made of resin coating or flammable resistant epoxy resin in accordance with "UL 94 V-0".

CAPACITANCE RANGE

 10 pF to 0.015 μ F

RATED VOLTAGE

1000 VDC

DIELECTRIC STRENGTH BETWEEN LEADS

Component test:

1000 VDC 2500 VDC, 2 s

CERAMIC DIELECTRIC

C0G, U2J, (Class 1)

X5F, X7R, Y5U, Z5U (Class 2)

561R, 562R Series



Vishay Cera-Mite

Lower Voltage Ceramic Disc Capacitors
1000 VDC General Purpose

ORDERING INFORMATION, CERAMIC 1000 VDC GENERAL PURPOSE														
C (pF)	TOL. (%)	D DIAMETER INCH (mm)	T THICKNESS INCH (mm)	LS LEAD SPACE	FIG.	WIRE SIZE		ORDERING CODE						
						AWG	INCH (mm)							
C0G (NP0)														
10	± 20 %	0.250 (6.4)	0.156 (4.0)	0.250 (6.4)	2	24	0.020 (0.51)	561R5GAQ10						
U2J (N750)														
33	± 20 %	0.290 (7.4)	0.156 (4.0)	0.250 (6.4)	2	24	0.020 (0.51)	561R5GAQ33						
X5F														
100	± 20 %	0.250 (6.4)	0.156 (4.0)	0.250 (6.4)	2	24	0.020 (0.51)	562R5GAT10						
150								562R5GAT15						
200								562R5GAT20						
220								562R5GAT22						
330								562R5GAT33						
470								562R5GAT47						
500								562R5GAT50						
X7R														
1000	± 20 %	0.290 (7.4)	0.156 (4.0)	0.250 (6.4)	2	24	0.020 (0.51)	562R5GAD10						
Y5U														
1000	+ 100 - 0 %	0.290 (7.4)	0.156 (4.0)	0.250 (6.4)	2	24	0.020 (0.51)	562R5HKD10						
Z5U														
1200	± 20 %	0.290 (7.4)	0.156 (4.0)	0.250 (6.4)	2	24	0.020 (0.51)	562R5GAD12						
1500								562R5GAD15						
2000								562R5GAD20						
2200								562R5GAD22						
2500								562R5GAD25						
2700								562R5GAD27						
3000								562R5GAD30						
3300								562R5GAD33						
4700								0.370 (9.4)	0.156 (4.0)	0.250 (6.4)	1	22	0.025 (0.64)	562R5GAD47
5000								0.370 (9.4)	0.156 (4.0)	0.250 (6.4)				562R5GAD50
6800		0.440 (11.2)	0.156 (4.0)	0.250 (6.4)	562R5GAD68									
8200		0.440 (11.2)	0.156 (4.0)	0.250 (6.4)	562R5GAD82									
0.010 μF		+ 100 - 0 %	0.490 (12.4)	0.156 (4.0)	0.375 (9.5)	1	22	0.025 (0.64)	562R5GAS10					
0.010 μF									562R5HKMS10					
0.010 μF	562R5HKS10													
0.015 μF	± 20 %								0.560 (14.2)	0.156 (4.0)	0.375 (9.5)	562R5GAS15		

TAPE AND REEL OPTIONS

- Tape and reel available on diameter sizes 0.250" to 0.680"
- To specify Tape and reel, add two letter suffix to the ordering code. (Details of the packaging code see general selection of the catalog.)



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