

Lower Voltage Ceramic Disc Capacitors 1000 VDC Temperature and Voltage Stabilized

Fig. 1

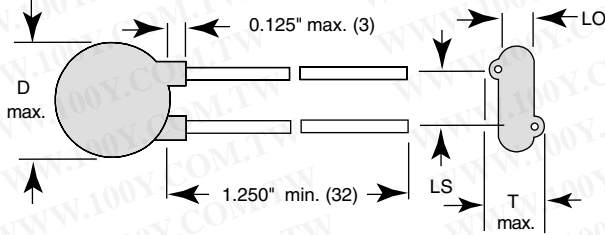
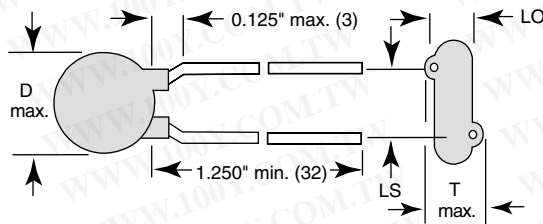


Fig. 2



FEATURES

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



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 is $\pm 10\%$

Coating is made of flame retardant epoxy resin in accordance with "UL 94 V-0".

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

INSULATION RESISTANCE

Min. 1000 Ω F or 50 000 M Ω

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

CLIMATIC CATEGORY ACC. TO EN60068-1

55/125/21 C0G, U2J
25/085/21 X5F

OPERATING TEMPERATURE RANGE

(- 55 to + 105) °C

CAPACITANCE RANGE

10 pF to 2700 pF

RATED VOLTAGE

1000 VDC

DIELECTRIC STRENGTH BETWEEN LEADS

Component test:
2500 VDC, 2 s

CERAMIC DIELECTRIC

C0G, U2J (Class 1)
X5F (Class 2)

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

561R and 562R

Vishay Cera-Mite

Lower Voltage Ceramic Disc Capacitors
1000 VDC Temperature and Voltage Stabilized



ORDERING INFORMATION, CERAMIC 1000 VDC TEMPERATURE AND 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
U2J (N750)								
27	± 10 %	0.290 (7.4)	0.156 (4.0)	0.250 (6.4)	24	0.020 (0.51)	2	561R10TSQ27
30			0.156 (4.0)	0.250 (6.4)				561R10TSQ30
33			0.156 (4.0)	0.250 (6.4)				561R10TSQ33
39			0.156 (4.0)	0.250 (6.4)				561R10TSQ39
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		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	

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 section of the catalog)

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



Disclaimer

All product specifications and data are subject to change without notice.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

Vishay disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay for any damages arising or resulting from such use or sale. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)