

Lower Voltage Disc Capacitors

12V TO 1KV

Lower Voltage Capacitors are stocked in distribution. See "Packaging Options" section for other electrical and mechanical options, including Tape & Reel.

Fig 1

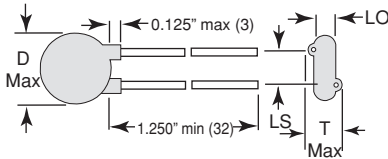


Fig 2

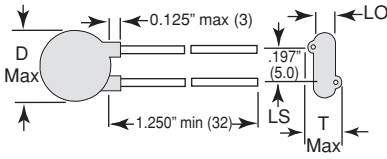
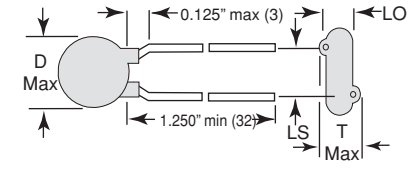


Fig 3



STANDARD WIRE SIZE:

- C and E Sizes - 24 gauge (.020") Tinned Copper Clad Steel Wire.
- F through Q Sizes - 22 gauge (.025") Tinned Copper Wire.

TAPE & REEL OPTIONS:

- Tape & Reel available on diameter sizes .250" to .680".
- To specify T & R, add two letter suffix to catalog number for example: TGS10 QA-suffix describes alternate wire lead forms & lead spacing options - see complete description in "Packaging Options" section.
- 10,000 piece minimum shipment for T & R.

SIZE CODE	DIAMETER "D" MAX		THICKNESS "T" MAX		LEAD SPACING "LS" FIG 1 & 3	
	in	mm	in	mm	in	mm
C	.250	6.4	.156	4.0	.250	6.4
E	.290	7.4	.156	4.0	.250	6.4
E ₇	.330	8.4	.156	4.0	.250	6.4
F	.370	9.4	.156	4.0	.250	6.4
F ₇	.400	10.2	.156	4.0	.250	6.4
G	.440	11.2	.156	4.0	.250	6.4
G ₇	.460	11.7	.156	4.0	.250	6.4
H	.490	12.4	.156	4.0	.250	6.4
H ₃	.490	12.4	.156	4.0	.375	9.5
H ₇	.530	13.5	.156	4.0	.375	9.5
J	.560	14.2	.156	4.0	.375	9.5

SIZE CODE	DIAMETER "D" MAX		THICKNESS "T" MAX		LEAD SPACING "LS" FIG 1 & 3	
	in	mm	in	mm	in	mm
K	.630	16.0	.156	4.0	.375	9.5
L	.680	17.3	.156	4.0	.375	9.5
M	.760	19.3	.156	4.0	.375	9.5
P	.890	22.6	.156	4.0	.375	9.5
R	.510	13.0	.200	5.1	.375	9.5
T	.580	14.7	.200	5.1	.375	9.5
U	.640	16.3	.200	5.1	.375	9.5
W	.700	17.8	.200	5.1	.375	9.5
X	.770	19.6	.200	5.1	.375	9.5
Y	.900	22.9	.200	5.1	.375	9.5
Q	.950	24.1	.200	5.1	.375	9.5

VOLTAGE CLASS	LEAD OFFSET "LO" (nom)	
	in	mm
100	.040	1.0
500	.040	1.0
1000	.050	1.3

12/25/50/100V HYPERCON CONSTRUCTION HIGH-CAPACITANCE DISCS

- Application: Low Voltage Bulk Filter

12 VDC, Y5R, 2.5ΩF, 5% DF				
VALUE	CATALOG NUMBER	SIZE		
μF	TOL.	FIGURE	CODE	
.05	Y	HY105	3	E
.10	M	HY110	1	G
.22	M	HY122	1	J
.47	M	HY147	1	P

25 VDC, Y5R, 5ΩF, 5% DF				
VALUE	CATALOG NUMBER	SIZE		
μF	TOL.	FIGURE	CODE	
.01	M	HY820	3	C
.022	M	HY825	3	E
.033	M	HY530	3	E
.047	M	HY835	3	F
.10	M	HY850	1	G

50 VDC, Y5R, 25ΩF, 4% DF				
VALUE	CATALOG NUMBER	SIZE		
μF	TOL.	FIGURE	CODE	
.01	M	HY920	3	C
.022	M	HY925	3	E
.047	M	HY935	1	G
.10	M	HY950	1	H

100 VDC, Y5S, 100ΩF, 3% DF				
VALUE	CATALOG NUMBER	SIZE		
μF	TOL.	FIGURE	CODE	
.0022	M	HMMD22	2	C
.0047	M	HMMD47	2	C
.01	M	HMMS10	3	E
.10	M	HMMP10	1	L

100 VOLT GENERAL PURPOSE

- Application Range: Up to 250 VDC, 75 VAC RMS**

VALUE	CATALOG NUMBER	SIZE		TEMP. COEF.
μF	TOL.	FIGURE	CODE	
10	D	TSQ10	2	C
22	J	TSQ22	2	C
33	K	TSQ33	2	C
47	K	TSQ47	2	C
100	K	TST10	2	C
220	K	TST22	2	C
330	K	TST33	2	C

- Insulation Resistance: 10,000 MΩ minimum, 500ΩF
- Dissipation Factor: 3.0% maximum

VALUE	CATALOG NUMBER	SIZE		TEMP. COEF.
μF	TOL.	FIGURE	CODE	
470	K	TST47	2	C
1000	K	TSD10	2	C
2200	K	TSD22	2	F
3300	K	TSD33	2	F
4700	K	TSD47	2	G
6800	K	TSD68	2	H
0.01μF	K	TSS10	2	J

562C Series

- Dielectric Strength: 750 VDC, 250 VAC RMS

VALUE	CATALOG NUMBER	SIZE		TEMP. COEF.
μF	TOL.	FIGURE	CODE	
.005	M	TGD50	1	E
.01	M	TGS10	1	F
.02	M	TGS20	1	G
.022	M	TSS22	1	T
.047	M	TGS47	1	R
.050	M	TGS50	1	R
.10	M	TGP10	1	W

** See "Application Data" section for limits on AC voltage.



Notice

Specifications of the products displayed herein are subject to change without notice. Vishay Intertechnology, Inc., or anyone on its behalf, assumes no responsibility or liability for any errors or inaccuracies.

Information contained herein is intended to provide a product description only. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Vishay's terms and conditions of sale for such products, Vishay assumes no liability whatsoever, and disclaims any express or implied warranty, relating to sale and/or use of Vishay products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright, or other intellectual property right.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Vishay for any damages resulting from such improper use or sale.