

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

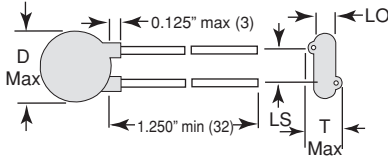


Fig 2

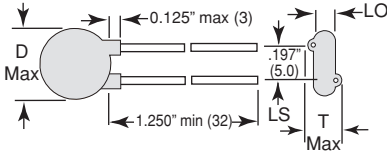
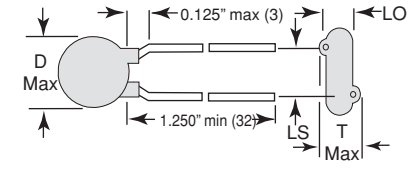


Fig 3



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

562C Series

- Dielectric Strength: 750 VDC, 250 VAC RMS

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

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.



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