EIA Class 3, Semiconductor Type
Disc Ceramic Capacitors

MALLORY

Reduced Titanite

- Ideal in Transistorized Circuity for Bypass and Coupling Applications
- Low Power Factor & Superior Radio Frequency Impedance Characteristics
- Meets RS-198C for Class 3 Ceramic Capacitors
- Radial Leads

GENERAL SPECIFICATIONS

Temperature Range:
-30°C to +85°C

Voltage Range:
25 & 50 VDC

Capacitance Range:
.01 μF to .22 μF

Lead Length: 1 inch minimum

Insulation Resistance:
1 megohm (min)

Power Factor @ 1000 Hz:
7.0% Max

Breakdown Voltage:
2.5 x rated
(5 seconds Max)

**Please note: Y5U Will no longer be available once stock is depleted. (2/23/05)

Capacity μF	Tol	Temp Coef	Size (Inches) D	T	S	d	Size (Millimeters) D	T	S	d	Catalog Number
25 WVDC											
.010	20%	Y5R	.235	.138	.250	.025	6.0	3.5	6.4	.6	LC103M
.022	20%	Y5R	.315	.138	.250	.025	8.0	3.5	6.4	.6	LC223M
.033	20%	Y5R	.350	.138	.250	.025	8.9	3.5	6.4	.6	LC333M
.100	20%	Y5R	.495	.138	.250	.025	12.6	3.5	6.4	.6	LC104M
.220	20%	Y5U	.495	.138	.250	.025	12.6	3.5	6.4	.6	LC224M

Capacity μF	Tol	Temp Coef	Size (Inches) D	T	S	d	Size (Millimeters) D	T	S	d	Catalog Number
50 WVDC											
.010	20%	Y5U	.230	.138	.250	.025	5.8	3.5	6.4	.6	LE103M
.022	20%	Y5U	.290	.138	.250	.025	7.4	3.5	6.4	.6	LE223M
.047	20%	Y5U	.359	.138	.250	.025	9.1	3.5	6.4	.6	LE473M
.100	20%	Y5U	.484	.138	.250	.025	12.3	3.5	6.4	.6	LE104M

Spark-Arrestor

- Radial Leads
- 1 Inch Leads (minimum)
- Lead Material Tinned Copper Wire

GENERAL SPECIFICATIONS

Type 1 Spark-Arrestor

Consists of a wire loop encased in phenolic resin. After the loop has been encased, a precise slot is cut through the wire loop and its protective case to form a gap. Type 1 does not include a parallel disc ceramic.

Type 2 Spark-Arrestor

A combination of a ceramic disc in parallel with the gap. Useful in either industrial or commercial applications which require bypassing of transient over voltages. The precise gap allows the stray transients to be harmlessly bypassed.

Temperature Characteristic = Z5U

Type 1 Type 2

Capacity	Voltage	Type	Size (Inches) D	H	S	d	Size (Millimeters) D	H	S	d	Catalog Number
1 - 3 KVDC											
* .75pF max	1-2 KVDC	1	.350	.500	.250	.032	8.9	12.7	6.4	.8	ASR75A
* .75pF max	2-3 KVDC	1	.350	.500	.250	.032	8.9	12.7	6.4	.8	ATR75A
# .01μF	2-3 KVDC	2	.770	1.000	.375	.032	19.6	25.4	9.5	.8	AT103A

* Inherent capacity of gap only. No parallel disc ceramic.
# Includes parallel disc ceramic. Tol. +80,-20%