Types LC EIA Class 3, Semiconductor Type

Reduced Titanite Disc Ceramic Capacitors

EIA Class 3 reduced titanite disc ceramic capacitors are ideal for use in transistorized circuity for bypass and coupling applications.

Highlights

- High Capacitance
- Low power factor
- Superior radio frequency impedance
- Meets RS-198C for Class 3 ceramic capacitors
- Radial leads

Specifications

Capacitance Range:	.01 to .10 µF
Voltage Range:	25 Vdc
Tolerance:	±20%
Operating Temperature Range:	–30 °C to +85 °C
Insulation Resistance:	1 megohm minimum
Breakdown Voltage:	2.5 x rated (5 seconds Max.)
Power Factor:	1.5% Max. @ 1 KHz
Lead Length:	1.0 inch minimum

Ratings

Cap (µF)	Catalog Part Number	Tol. (±)	Temp. Coef.	Size D (Inches)	T	S	d	Size D (Millimeters)	T	S	d
25 Vdc											
.010	LC103M	20%	Y5R *	.235	.138	.250	.025	6.0	3.5	6.4	.6
.100	LC104M	20%	Y5R *	.495	.138	.250	.025	12.6	3.5	6.4	.6

*maximum capacitance change over temperature rating: ±15%

Physical Specifications

Case: Conformal Coating

Lead material: Tinned copper wire. (Minimum lead content: 5%)

Tape and Reel Available upon Request

Leads are formed to .200 (5.0mm) lead spacing

For D less than .315 (8.0mm) - Quantity/Reel = 2500 pcs

Tape and reel not available for greater than .472" (12mm)