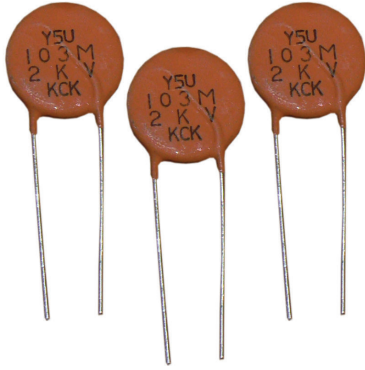


# Types LC EIA Class 3, Semiconductor Type Reduced Titanite Disc Ceramic Capacitors



EIA Class 3 reduced titanite disc ceramic capacitors are ideal for use in transistorized circuitry 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

<b>Capacitance Range:</b>	.01 to .10 $\mu\text{F}$
<b>Voltage Range:</b>	25 Vdc
<b>Tolerance:</b>	$\pm 20\%$
<b>Operating Temperature Range:</b>	$-30\text{ }^\circ\text{C}$ to $+85\text{ }^\circ\text{C}$
<b>Insulation Resistance:</b>	1 megohm minimum
<b>Breakdown Voltage:</b>	2.5 x rated (5 seconds Max.)
<b>Power Factor:</b>	1.5% Max. @ 1 KHz
<b>Lead Length:</b>	1.0 inch minimum

## Ratings

Cap ( $\mu\text{F}$ )	Catalog Part Number	Tol. ( $\pm$ )	Temp. Coef.	Size (Inches)				Size (Millimeters)			
				D	T	S	d	D	T	S	d
<b>25 Vdc</b>											
.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

\*available only until stock is depleted

\*\*maximum capacitance change over temperature rating:  $\pm 15\%$

## Physical Specifications

Case: Conformal Coating

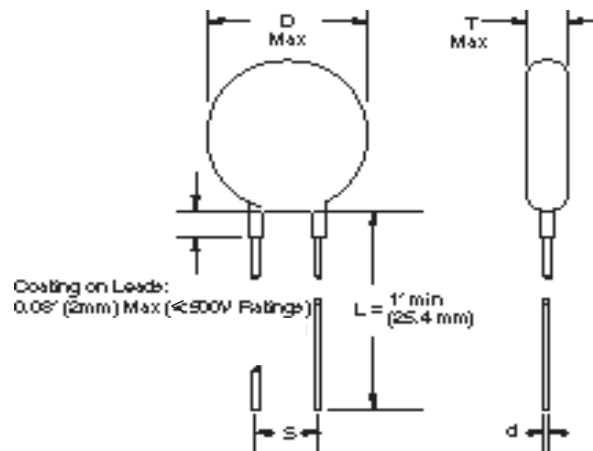
Lead material: Tinned copper wire. (Minimum lead content: 5%)

### 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)



# Mouser Electronics

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[L103C221LF](#) [L103C222LF](#) [L103C223LF](#)