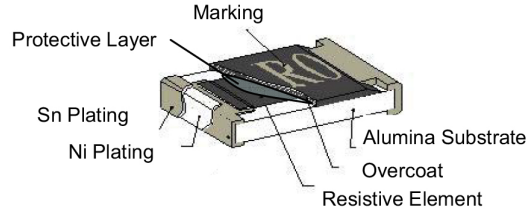


Thin Film Current Sensing Surface Mount Chip Resistors

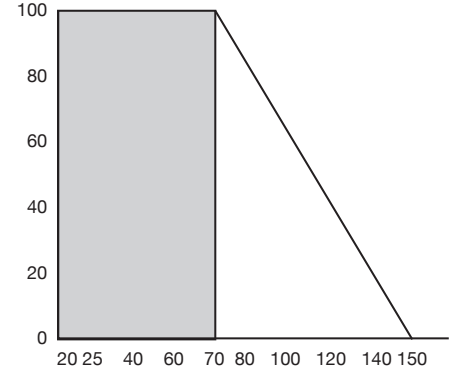
Features

- High stability thin film resistor element
- 99% Al₂O₃ substrate material
- 100% Matte tin terminals
- Nickel barrier layer
- EIA standard values
- Tolerances to ±1%
- Passivation of resistor element

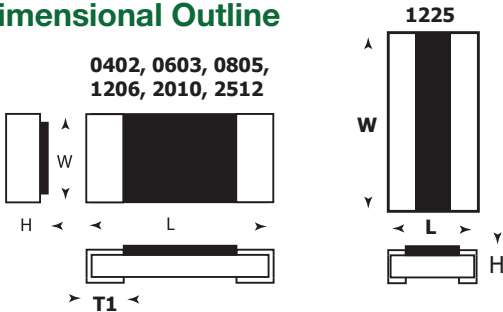


Thin Film

Part Number	Length	Width	Height	T1	Rated Power (70°C)
LCI-0402	0.039±.002	0.020±.002	0.017 max	0.008±.004	63 mW
LCI-0603	0.063±.004	0.031±.004	0.022 max	0.012±.008	100 mW
LCI-0805	0.079±.006	0.049±.006	0.026 max	0.016±.010	125 mW
LCI-1206	0.120±.006	0.061±.006	0.026 max	0.016±.010	250 mW
LCI-2010	0.197±.008	0.096±.006	0.030 max	0.020±.010	750 mW
LCI-2512	0.250±.008	0.124±.006	0.028 max	0.022±.010	1 W
LCI-1225	0.122±.006	0.248±.006	0.041 max	0.022±.010	3 W

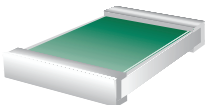


Dimensional Outline



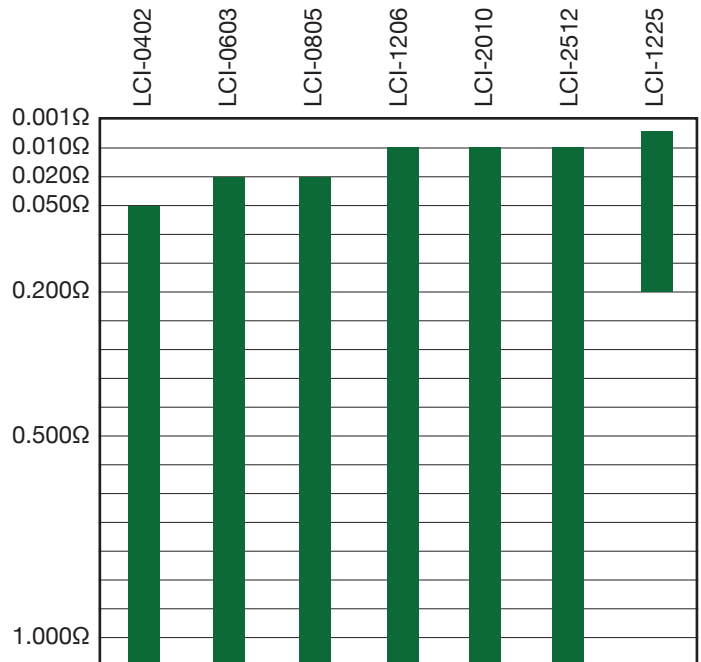
Item	Specification
Operating Temperature	-55°C to +150°C
Maximum Working Voltage	$\sqrt{P \cdot R}$
Resistance Tolerances	±1%, ±2% or ±5%
Attachment	Solder

Terminal Style



Full wraparound terminals with nickel barrier layer

Resistance Ranges



Ordering Information

Example: 0402, 63mW, 0.101Ω, 1% resistor with Nickel Barrier terminals

LCI - 0402 - R101 F

Sizes

0402	2010
0603	2512
0805	1225
1206	

Resistance Value

Highest resistor value is 1Ω (1R00). For values below 1Ω use R to indicate a decimal point before resistance value. For example: 0.101Ω is noted as R101, 0.05Ω is noted as R050.

Tolerance
 F = 1%
 G = 2%
 J = 5%