

RXI Series

01005 0201 0402 0603 0805(S) 1206(S) 2010(S) 1206 1210 2010 2512 2512(S)

Thick Film Nickel Barrier Wraparound Surface Mount Chip Resistors

Features

- High stability thick film resistor element
- 96% Al₂O₃ substrate material
- Trimmed to EIA standard values
- Tolerances to ± 0.5%
- Glass passivation of resistor element
- Available in bulk or on tape and reel
- 50 ppm available in RPI series only

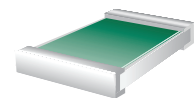


Thick Film

Part Number	Length	Width	Height	Terminal	Max Working Voltage	Rated Power @ 70°C
RCI-01005	0.016 ± .001	0.008 ± .001	0.005 ± .001	0.004 ± .001	15VDC	30mW
RCI-0201	0.024 ± .002	0.012 ± .002	0.012 max.	0.006 ± .002	15VDC	50mW
RCI-0402	0.039 ± .002	0.020 ± .004	0.016 max.	0.010 ± .004	50VDC	63mW
RCI-0603	0.063 ± .006	0.031 ± .006	0.022 max.	0.012 ± .004	50VDC	100mW
RCI-0805	0.079 ± .008	0.049 ± .004	0.026 max.	0.016 ± .008	150VDC	175mW (350mW)
RLI-0805(S)	0.079 ± .006	0.049 ± .004	0.028 max.	0.016 ± .008	150VDC	125mW
RCI-1206(S)	0.126 ± .008	0.063 ± .006	0.028 max.	0.020 ± .010	350VDC	250mW (500mW)
RLI-1206	0.122 ± .008	0.063 ± .006	0.028 max.	0.012 ± .008	350VDC	500mW
RLI-1210	0.122 ± .002	0.098 ± .006	0.028 max.	0.012 ± .008	350VDC	500mW
RCI-2010(S)	0.197 ± .008	0.098 ± .006	0.028 max.	0.020 ± .012	350VDC	500 mW (1W)
RCI-2512(S)	0.248 ± .008	0.126 ± .010	0.028 max.	0.026 ± .010	350VDC	1W (2W)

Item	Specification
Operating Temperature	-55°C to +150°C / RCI-01005 -55°C to +125°C
Short Time Overload	± (1% + 0.05 Ω) Max.
Terminal Strength	± (1% + 0.05 Ω) Max.
Solder Heat Resistance	± (1% + 0.05 Ω) Max.
Solderability	95% minimum coverage
Temperature Cycle	± (1% + 0.05 Ω) Max.
Load Life	10Ω ≤ R ≤ 1M Ω: ± (3% + 0.01 Ω) R < 10 Ω, R > 1M Ω: ± (5% + 0.1 Ω)

Terminations



Full Wraparound Termination
Nickel Barrier Layer
100% Matte Tin Finish

Ordering Information

Example: 100Ω, 5%, 175 mW, 0805 resistor

RCI - 0805 -1000 J

RCI (Standard) |
RLI (Low Ohm) |
RPI (Precision) |
RTI (Untrimmed U Tol. only) |

Form Factor

0201 0402 0603
0805(T) 1210 1206(T)
1206S 2010S 01005
2010(T) 2512(T) 2512(S)
"T" indicates custom value trim

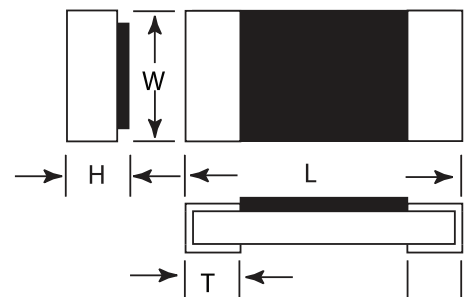
Tolerances

F - 1% M - 20%
G - 2% N - 30%
J - 5% P - 40%
K - 10% R - 50%
L - 15%

Resistance Value

The first three digits are significant values. The fourth is the number of zeroes following. The R indicates a decimal point when resistance value is less than 100Ω. For a jumper use code JUMPR.

Dimensional Outline



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