

High-Precision-Chip-Resistor-Networks (Dual Resistor)

Series CRN

Features

- Tight Tolerance ranges (down to 0.05% rel.)
- Very low TCR (down to 2ppm/K rel.)
- Extremely low noise
- Approved for voltages up to 300 VDC
- RoHS – compliant

Technical Data ¹⁾

	Resistivity	TCR abs.	TCR tracking	R-Tol. abs.	R-Tol. ratio
Value	10 Ω ... 5 MΩ	< 10 ppm/K	< 2 ppm/K	<± 0.1 %	< 0.05 %

1) TCR_{abs.} – classes [ppm/K]: 10; 15; 25; 50
 R-Tolerance classes_{abs.} [%]: 0,1; 0,25; 0,5; 1

The values in the table are the best possible values.
 Not all combinations are possible on the same substrate. Please ask for more information.

Long Term Stability	DeltaR/R
Storage 125 °C/1,000 h	<± 0.15 %
Storage 155 °C/1,000 h	<± 0.35 %
Continuous Power P ₇₀ /70 °C/1,000 h	<± 0.1 %
Temperature/Humidity (56 d/40 °C/96 %)	<± 0.15 %

Data according CECC 40 401-801, if not otherwise specified.

Package RR 2512	Stability Class	mW
Load Capacity P ₇₀ (mW)	0.5; 1	750
	0.1	400
Isolating Voltage (VDC)	0.1; 0.5; 1	300



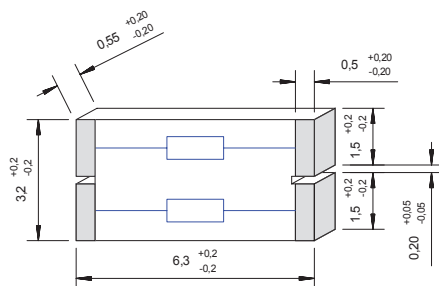
Technical Data (general)

Operating temperature range: - 55 °C ... + 125 °C

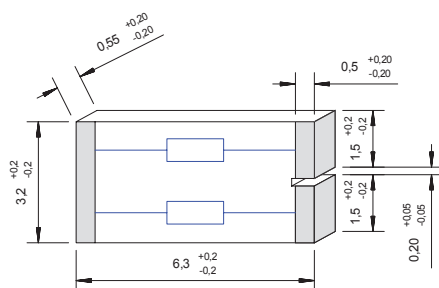
Solderability (RoHS – compliant): 245 °C; 3 s

Resistance to soldering heat: 260 °C; 10 s

Dimensions



Voltage Divider



Single Resistor

Customized Versions

- Layout adjustments
- Resistor data according to client's specification.
- Customized layout is designed in our development department for best product data.

Ordering Information

- Resistor values and tolerance R1, R2 (absolute & ratio)
- TCR R1, R2 (absolute & tracking)
- Quantity, expected delivery date
- Specials

Delivery form

- Bulk
- Tape & Reel acc. DIN IEC 60286-3 (tape with 8mm, reel diameter 180mm)
- Min. order quantity bulk: 100 units per value
- Min. order quantity tape & reel: 500 units per value

Sales and Development

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