

Metal thin film trimmable chip resistors

RT series

Features

- Patented trimming method (patent# 1921853) allows high trimming accuracy, excellent reliability after trimming and short trimming time
- Small sizes down to 0.6mm x 0.3mm

Applications

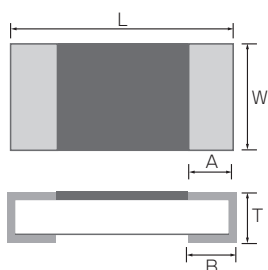
- Sensor circuits that require high precision such as automotive electronics
- PA modules in mobile phones
- Devices that require strong vibration tolerance such as microphones

Specifications

* All made to order.

Dimensions

unit : mm



Dimension (inch)	RT0603 (0201)	RT0510 (0402)	RT0816 (0603)	RT1220 (0805)
L	0.60±0.05	1.00±0.07	1.60±0.20	2.00±0.20
W	0.30±0.03	0.50±0.07	0.80±0.20	1.25±0.20
A	0.12±0.05	0.20±0.10	0.30±0.20	0.40±0.20
B	0.15±0.05	0.25±0.20	0.30±0.20	0.40±0.20
T	0.25±0.03	0.35±0.05	0.40±0.10	0.40±0.10

Electrical characteristics

Series name	RT0603			RT0510			RT0816					RT1220							
power	1/20W			1/16W			1/16W					1/10W							
Initial resistance value (Ω)	150	330	1.5k	100	270	1.5k	100	330	1.0k	3.3k	10k	33	100	330	1.0k	3.3k	10k	33k	100k
Targeted resistance value (Ω)	1.0k	1.9k	10k	820	2.1k	10k	2.7k	8.0k	8.8k	37k	40k	4.7k	8.2k	15k	15k	100k	120k	120k	220k
Initial value tolerance (%)	±20% (M)			±20% (M)			±20% (M)					±20% (M)							
Temperature coefficient of resistance (ppm/°C)	±25 (P)	○	○	—	○	○	—	○	○	○	—	—	○	○	○	—	—	—	—
	±50 (Q)	—	—	—	—	—	—	—	—	—	—	○	—	—	—	—	—	—	—
	±100 (R)	—	—	○	—	—	○	—	—	—	○	○	—	—	—	○	○	○	○
Maximum voltage	15V			25V			75V					100V							
Operating temperature	-55°C ~ 125°C			-55°C ~ 125°C			-55°C ~ 125°C					-55°C ~ 125°C							
Packaging	5,000pcs	—			—			○					○						
	10,000pcs	—			○			—					—						
	15,000pcs	○			—			—					—						

Part numbering system

RT 0816 P - 102 - M

Resistance tolerance
Resistance value
Temperature coefficient of resistance
Size
Series code