

RT series, high-precision trimmable chip resistors



A one-step trimmable thin film component for in-circuit resistor tuning. This component has excellent temperature characteristics, exhibits excellent performance in circuit noise and the third harmonic distortion, and needs no moisture proofing treatment after trimming.(Patent1921853)

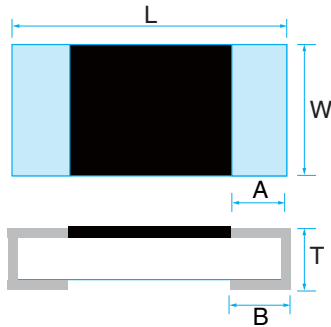
NEW First in the market 0201 trimmable chip resistor

RoHS compliant

Completely lead free

SPECIFICATIONS

Mechanical



Dimension (Inch Size)	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

(unit : mm)

Equivalent circuit



Electrical

Type	RT0603			RT0510			RT0816					RT1220								
Initial resistance value(Ω)	150	330	1.5k	100	270	1.5k	100	330	1k	3.3k	10k	33	100	330	1k	3.3k	10k	33k	100k	
Upper resistance limit(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	
TCR ppm /°C(code)	±25 (P)		±100 (R)	±25 (P)		±100 (R)	±25 (P)			±100 (R)		±50 (Q)	±25 (P)			±100 (R)				
Resistance Tolerance (code)	±20% (M)			±20% (M)			±20% (M)					±20% (M)								
Power	1/20W			1/16W			1/16W					1/10W								
Max Operating Voltage	15V			25V			75V					100V								
Max Applied Voltage	30V			50V			150V					200V								
Package	15,000pcs/reel			10,000pcs/reel			5,000pcs/reel					5,000pcs/reel								

· The RT0510 type with 50Ω initial resistance value is also available.

PART NUMBER

RT 0816 P - 102 - M

Resistance Tolerance

Resistance

Temperature Coefficient of Resistance

Dimensions

Part Code

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Susumu:

[RT0510P-101-M](#) [RT0510P-271-M](#) [RT0510R-152-M](#) [RT0603P-101-M](#) [RT0603P-271-M](#) [RT0603P-331-M](#) [RT0603R-152-M](#) [RT0603R-182-M](#) [RT0603R-821-M](#) [RT0816P-101-M](#) [RT0816P-102-M](#) [RT0816P-331-M](#) [RT0816R-103-M](#) [RT0816R-332-M](#) [RT1220P-101-M](#) [RT1220P-102-M](#) [RT1220P-331-M](#) [RT1220Q-103-M](#) [RT1220Q-104-M](#) [RT1220Q-330-M](#) [RT1220Q-332-M](#) [RT1220Q-333-M](#)