

CHIP THIN FILM RESISTOR

RT TYPE

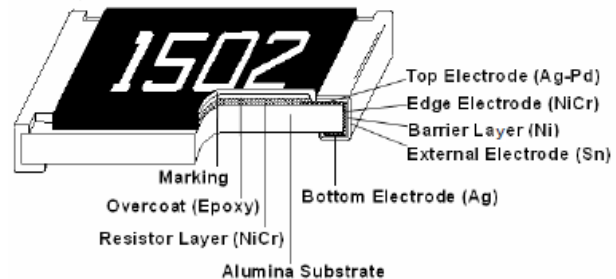
FEATURES

- Thin Film Passivated NiCr Resistor
- Very Tight Tolerance from $\pm 0.01\% \sim \pm 1\%$
- Extremely Low TCR from $\pm 5 \sim \pm 50 \text{ PPM}/^\circ\text{C}$
- Miniature size 0201 available

APPLICATIONS

- Medical Equipment
- Testing/Measurement Equipment
- Consumer Products
- Printing Equipment
- Automatic Equipment Controller
- Converter
- Communication Device, Cell phone, GPS, PDA

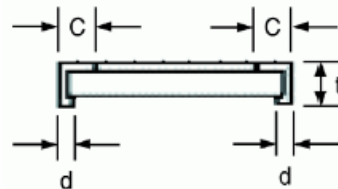
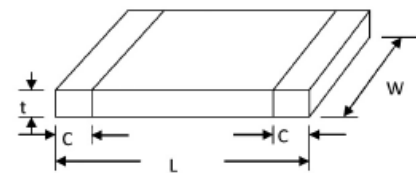
CONSTRUCTION AND MATERIALS



DIMENSIONS

Unit : mm

TYPE	L	W	t	C	d
RT0201	0.58 ± 0.20	0.29 ± 0.10	0.23 ± 0.10	0.12 ± 0.10	0.15 ± 0.10
RT0402	1.00 ± 0.20	0.50 ± 0.10	0.30 ± 0.10	0.20 ± 0.10	0.20 ± 0.10
RT0603	1.60 ± 0.20	0.80 ± 0.15	0.45 ± 0.15	0.30 ± 0.20	0.30 ± 0.20
RT0805	2.00 ± 0.20	1.25 ± 0.15	0.50 ± 0.15	0.40 ± 0.20	0.40 ± 0.25
RT1206	3.10 ± 0.20	1.60 ± 0.20	0.55 ± 0.15	0.50 ± 0.25	0.45 ± 0.25
RT1210	3.10 ± 0.20	2.50 ± 0.25	0.55 ± 0.15	0.50 ± 0.25	0.55 ± 0.30
RT2010	5.00 ± 0.20	2.50 ± 0.25	0.55 ± 0.15	0.60 ± 0.30	0.55 ± 0.30
RT2512	6.35 ± 0.20	3.20 ± 0.25	0.55 ± 0.15	0.60 ± 0.30	0.55 ± 0.30



RATINGS

TYPE	RT0201	RT0402	RT0603	RT0805	RT1206	RT1210	RT2010	RT2512
POWER	1/32W	1/16W	1/16W	1/10W	1/8W	1/5W	1/4W	1/2W
MAXIMUM WORKING VOLTAGE	15V	25V	50V	100V	150V	150V	150V	150V
MAXIMUM OVERLOAD VOLTAGE	30V	50V	100V	200V	300V	300V	300V	300V
DIELECTRIC WITHSTAND VOLTAGE	30V	50V	100V	200V	300V	300V	300V	300V
RESISTANCE TOLERANCE	$\pm 0.1\%$, $\pm 0.25\%$, $\pm 0.5\%$, $\pm 1\%$ ($\pm 0.01\%$, $\pm 0.05\%$ on Request)							
TEMPERATURE COEFFICIENT	$\pm 50 \text{ PPM}/^\circ\text{C}$, $\pm 25 \text{ PPM}/^\circ\text{C}$, $\pm 15 \text{ PPM}/^\circ\text{C}$, $\pm 10 \text{ PPM}/^\circ\text{C}$, $\pm 5 \text{ PPM}/^\circ\text{C}$							
RESISTANCE RANGE	$10\Omega \sim 1\text{M}\Omega$ ($50\Omega \sim 33\text{K}\Omega$ for RT0201)							
OPERATING TEMP. RANGE	$-55^\circ\text{C} \sim +155^\circ\text{C}$							