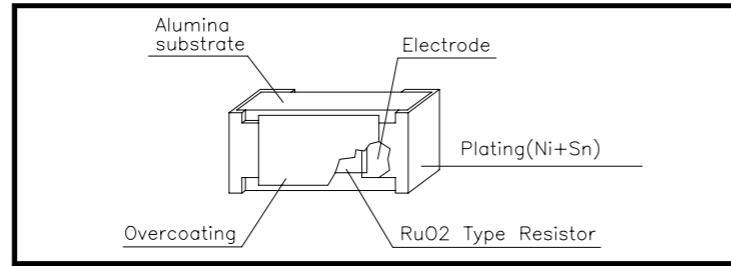


Construction



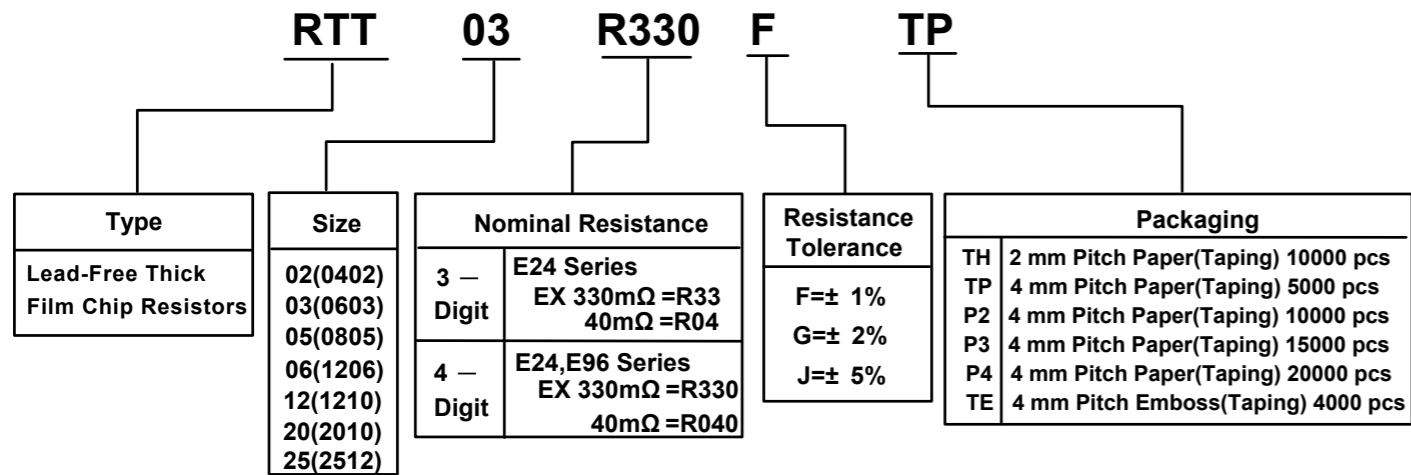
Feature

- 1.Small size and light weight.
- 2.High reliability and stability.
- 3.Lower assembly cost.
- 4.Apply to all kinds of SMT process.
- 5.Apply to Pb & Pb-Free Wave Solder & Reflow Solder.
- 6.Comply with RoHS.

Application

- 1.NB / MB / Monitor(For power management)
- 2.Mobile phone, Telecom....
- 3.Digital meter, PDAs....
- 4.Battery changer, DC-DC power converter,Power supply....
- 5.Automotive

Type Designation



Dimensions

Type	Dimensions					
	L	W	H	L1	L2	
RTT02 (0402)	1.00± 0.10	0.50± 0.05	0.30± 0.05	0.20± 0.10	0.25± 0.10	
RTT03 (0603)	1.55± 0.10	0.80+0.10 -0.05	0.45± 0.10	0.30± 0.15	0.30± 0.15	
RTT05 (0805)	2.00± 0.10	1.25± 0.10	0.50± 0.10	0.35± 0.20	0.35± 0.15	
RTT06 (1206)	3.05± 0.10	1.55± 0.10	0.55+0.10 -0.05	0.45± 0.20	0.35± 0.15	
RTT12 (1210)	3.05± 0.10	2.55± 0.10	0.55± 0.10	0.50± 0.20	0.50± 0.20	
RTT20 (2010)	5.00± 0.20	2.50± 0.20	0.55± 0.10	0.60± 0.20	0.60± 0.20	
RTT25 (2512)	6.30± 0.20	3.20± 0.20	0.55± 0.10	0.60± 0.20	0.60± 0.20	

Unit:mm

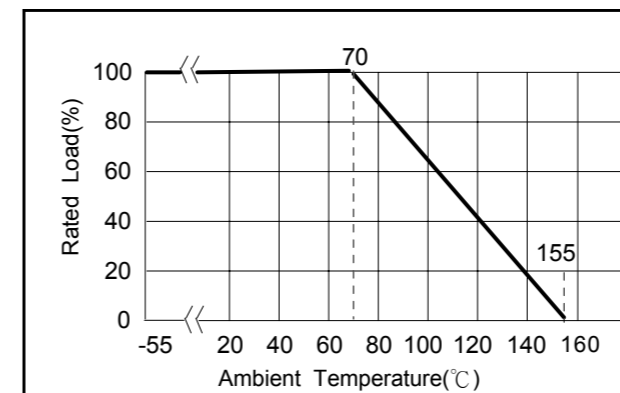
Standard Electrical Specifications

Type	Rated Power at 70°C	Max. Working Current	Max. Overload Current	T.C.R. (ppm/°C)	Resistance Range	
					F(± 1%) E-24、E-96	G(± 2%)、J(± 5%) E-24
RTT02 (0402)	1/16 W	0.79A	1.98A	± 600	100 ~ 199 mΩ	100 ~ 99 mΩ
				± 300	200 ~ 399 mΩ	200 ~ 399 mΩ
				± 250	400 ~ 599 mΩ	400 ~ 599 mΩ
				± 200	600 ~ 976 mΩ	600 ~ 910 mΩ
RTT03 (0603)	1/10 W	1.41A	3.52A	± 600	50 ~ 99 mΩ	50 ~ 99 mΩ
				± 300	100 ~ 199 mΩ	100 ~ 199 mΩ
				± 600	200 ~ 499 mΩ	200 ~ 499 mΩ
				± 400	500 ~ 976 mΩ	500 ~ 910 mΩ
RTT05 (0805)	1/8 W	1.94A	4.85A	± 800	33 ~ 49 mΩ	33 ~ 49 mΩ
				± 600	50 ~ 99 mΩ	50 ~ 99 mΩ
				± 300	100 ~ 199 mΩ	100 ~ 199 mΩ
				± 500	200 ~ 499 mΩ	200 ~ 499 mΩ
RTT06 (1206)	1/3 W	3.65A	9.12A	± 400	500 ~ 976 mΩ	500 ~ 910 mΩ
				± 1000	25 ~ 49 mΩ	25 ~ 49 mΩ
				± 600	50 ~ 99 mΩ	50 ~ 99 mΩ
				± 300	100 ~ 199 mΩ	100 ~ 199 mΩ
RTT12 (1210)	1/2 W	4.47A	11.17A	± 500	200 ~ 499 mΩ	200 ~ 499 mΩ
				± 400	500 ~ 976 mΩ	500 ~ 910 mΩ
				± 700	25 ~ 49 mΩ	25 ~ 49 mΩ
				± 400	50 ~ 99 mΩ	50 ~ 99 mΩ
RTT20 (2010)	1/2 W	4.47A	11.17A	± 200	100 ~ 199 mΩ	100 ~ 199 mΩ
				± 400	200 ~ 499 mΩ	200 ~ 499 mΩ
				± 300	500 ~ 976 mΩ	500 ~ 910 mΩ
				± 900	25 ~ 49 mΩ	25 ~ 49 mΩ
RTT25 (2512)	1W	6.32A	15.80A	± 500	50 ~ 99 mΩ	50 ~ 99 mΩ
				± 300	100 ~ 199 mΩ	100 ~ 199 mΩ
				± 500	200 ~ 499 mΩ	200 ~ 499 mΩ
				± 400	500 ~ 976 mΩ	500 ~ 910 mΩ

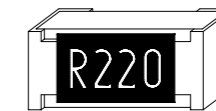
Operating Temperature Range

-55°C ~ +155°C

Power Derating Curve



Marking



FOR RTT05、06、12、20、25
©1%、2%、5% (E24、E96)
4 digits indication
later 3 digits are significant figures first digit is multiplier
EX.Marking --> R330
330 × 10⁻³ = 0.33Ω = 330mΩ

FOR RTT03
©1%、2%、5%(E-24)
3 digits indication
later 2 digits are significant figures first digit is multiplier
EX.Marking --> R33
33 × 10⁻² = 0.33Ω = 330mΩ
Marking --> 033
33 × 10⁻³ = 0.033Ω = 33mΩ

Type RTT02:No marking Code