



PART NUMBERING SYSTEM

RN73 F 2A TD 1001 B

Meritek Series

Temperature Coefficient

CODE	C	F	G	H
	±10 ppm/°C	±25 ppm/°C	±50 ppm/°C	±100 ppm/°C

Size

Size	1E	1J	2A	2B	2E
		0402	0603	0805	1206
Max. Working voltage	25V	50V	100V	150V	150V
Max overload voltage	50V	100V	200V	300V	300V
Working temperature range	-55 to 155°C				
Rated ambient temperature	70°C				

Packaging

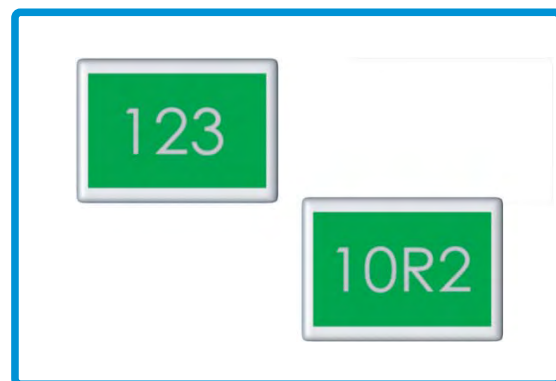
Code	Package
TD	Bulk
TD	Paper Tape (Reel) (1H, 1E, 1J, 2A, 2B, 2E)
TE	Plastic Tape (Reel) (2H, 3A)
TD	Paper Tape (Reel) (1E)

Resistance Value

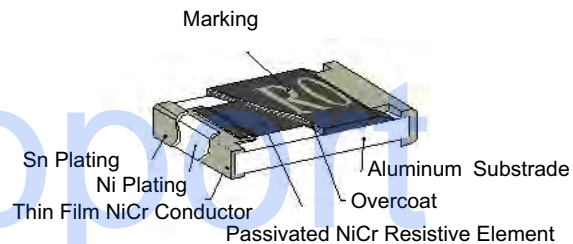
1% - 4 digits. First 3 are significant, fourth is multiplier (10ⁿ)

Resistance Tolerance

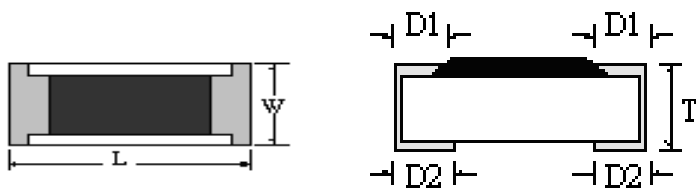
A	B	C	D	T
0.05%	0.1%	0.25%	0.5%	0.01%



Construction



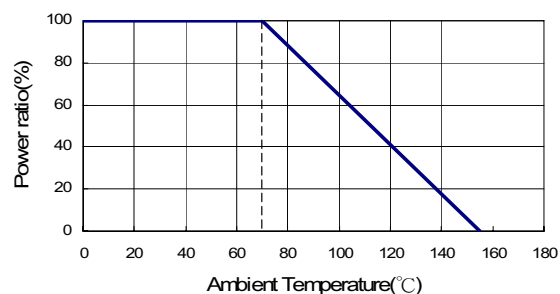
Dimensions



Unit : mm

Codes	L	W	T	D1	D2
1H (0201)	0.58±0.05	0.29±0.05	0.23±0.05	0.12±0.05	0.15±0.05
1E (0402)	1.00±0.05	0.50±0.05	0.30±0.05	0.20±0.10	0.20±0.10
1J (0603)	1.55±0.10	0.80±0.10	0.45±0.10	0.30±0.20	0.30±0.20
2A (0805)	2.00±0.15	1.25±0.15	0.55±0.10	0.30±0.20	0.40±0.25
2B (1206)	3.05±0.15	1.55±0.15	0.55±0.10	0.42±0.20	0.35±0.25
2E (1210)	4.90±0.15	2.40±0.15	0.55±0.10	0.60±0.30	0.50±0.25
2H (2010)	6.30±0.15	3.10±0.15	0.55±0.10	0.60±0.30	0.50±0.25
3A (2512)	3.10±0.15	2.40±0.15	0.55±0.10	0.40±0.20	0.55±0.25

Derating Curve



Standard Electrical Specifications

Item Type	Power Rating at 70°C	Operating Temp. Range	Max Operating Voltage	Max Overloading Voltage	Resistance Tolerance	Resistance Range	TCR (PPM/°C)
1H (0201)	1/32W	-55 ~ +155°C	15V	30V	±0.5%	50Ω~5KΩ	±25 ±50
					±1.0%	5.1KΩ~33KΩ	±50
1E (0402)	1/16W	-55 ~ +155°C	25V	50V	±0.10% ±0.25% ±0.50%	10Ω~205KΩ	±25 ±50
1J (0603)	1/16W	-55 ~ +155°C	50V	100V	±0.05%	4.7Ω~150KΩ	±25 ±50
					±0.10%	4.7Ω~1MΩ	
					±0.25% ±0.50%	2Ω~1MΩ	
2A (0805)	1/10W	-55 ~ +155°C	100V	200V	±0.05%	4.7Ω~500KΩ	±25 ±50
					±0.10%	4.7Ω~2MΩ	
					±0.25% ±0.50%	1Ω~2MΩ	
2B (1206)	1/8W	-55 ~ +155°C	150V	300V	±0.05%	4.7Ω~1MΩ	±25 ±50
					±0.10%	4.7Ω~2.5MΩ	
					±0.25% ±0.50%	1Ω~2.5MΩ	
2H (2010)	1/4W	-55 ~ +155°C	150V	300V	±0.05%	4.7Ω~1MΩ	±25 ±50
3A (2512)	1/2W				±0.10%	4.7Ω~3MΩ	
					±0.25% ±0.50%	1Ω~3MΩ	
2E (1210)	1/5W	-55 ~ +155°C	150V	300V	±0.05%	4.7Ω~1MΩ	±25 ±50
					±0.10%	4.7Ω~2.5MΩ	
					±0.25% ±0.50%	1Ω~2.5MΩ	