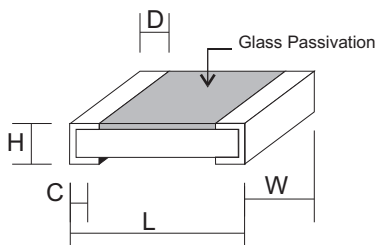


### INTRODUCTION

The RMT series are thin film resistors. They feature a lower Temperature Coefficient than standard thick film types and are ideal for use in applications where temperature stability is important. These resistors are lead free.

### DIMENSIONS



TYPE	L	W	H	l <sub>1</sub>	l <sub>2</sub>
RMT04 (0402)	1.00 ± 0.10	0.50 ± 0.05	0.30 ± 0.05	0.20 ± 0.10	0.20 ± 0.10
RMT06 (0603)	1.60 ± 0.20	0.80 ± 0.15	0.40 ± 0.10	0.30 ± 0.20	0.30 ± 0.15
RMT10 (0805)	2.00 ± 0.20	1.25 ± 0.15	0.50 ± 0.15	0.35 ± 0.15	0.35 ± 0.15
RMT12 (1206)	3.20 ± 0.20	1.60 ± 0.20	0.55 ± 0.15	0.45 ± 0.20	0.45 ± 0.20
RMT25 (1210)	3.20 ± 0.20	2.50 ± 0.20	0.55 ± 0.15	0.50 ± 0.20	0.50 ± 0.20
RMT50S (1812)	4.50 ± 0.10	3.00 ± 0.10	0.55 ± 0.05	0.55 ± 0.10	0.80 ± 0.10
RMT50 (2010)	5.00 ± 0.20	2.50 ± 0.20	0.55 ± 0.10	0.60 ± 0.20	0.60 ± 0.20
RMT1WS (1218)	3.10 ± 0.10	4.60 ± 0.10	0.55 ± 0.05	0.45 ± 0.10	0.40 ± 0.10
RMT1W (2512)	6.30 ± 0.20	3.20 ± 0.20	0.55 ± 0.10	0.60 ± 0.20	0.60 ± 0.20

### RATINGS & STANDARD RANGES

TYPE	Rated Power at 70°C	Max Working Voltage (Vw)	Max Overload Voltage (Vo)	T.C.R. (PPM/°C)	Resistance Range		
					B(±0.1%)	C(±0.25%) D(+0.5%)	F(±1%)
RMT04 (0402)	0.063W	25V	50V	±10 ±25 +50	10 ~ 22K 10 ~ 100K	10 ~ 22K 10 ~ 100K 10 ~ 100K	10 ~ 22K 10 ~ 100K 10 ~ 100K
RMT06 (0603)	0.063W	50V	100V	±10 ±25 +50	20 ~ 100K 10 ~ 332K	20 ~ 100K 10 ~ 332K	20 ~ 100K 10 ~ 332K 10 ~ 332K
RMT10 (0805)	0.1W	100V	200V	±10 ±25 +50	10 ~ 220K 10 ~ 1M	10 ~ 220K 10 ~ 1M	10 ~ 220K 10 ~ 1M 10 ~ 1M
RMT12 (1206)	0.125W	150V	300V	±10 ±25 +50	10 ~ 499K 10 ~ 1M	10 ~ 499K 10 ~ 1M	10 ~ 499K 10 ~ 1M 10 ~ 1M
RMT25 (1210)	0.165W	150V	300V	±10 ±25 +50	120 ~ 499K 10 ~ 1M	120 ~ 499K 10 ~ 1M	120 ~ 499K 10 ~ 1M 10 ~ 1M
RMT50S (1812)	0.25W	150V	300V	±10 ±25 +50	10 ~ 499K 10 ~ 1M	10 ~ 499K 10 ~ 1M	10 ~ 499K 10 ~ 1M 10 ~ 1M
RMT50 (2010)	0.25W	150V	300V	±10 ±25 +50	10 ~ 499K 10 ~ 1M	10 ~ 499K 10 ~ 1M	10 ~ 499K 10 ~ 1M 10 ~ 1M
RMT1WS (1218)	0.5W	150V	300V	±10 ±25 +50	10 ~ 499K 10 ~ 1M	10 ~ 499K 10 ~ 1M	10 ~ 499K 10 ~ 1M 10 ~ 1M
RMT1W (2512)	1.0W	150V	300V	±10 ±25 +50	10 ~ 499K 10 ~ 1M	10 ~ 499K 10 ~ 1M	10 ~ 499K 10 ~ 1M 10 ~ 1M

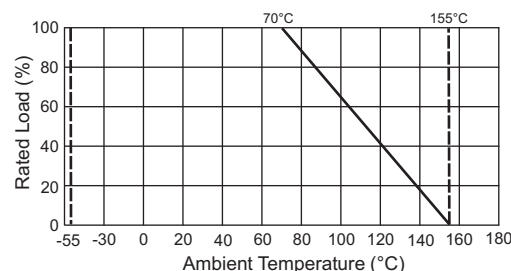
### PART NUMBER EXAMPLE

RMT 06 R - 10K - B 25

### CHARACTERISTICS

Requirements	Specification	Test Standard
Short Time Overload	±0.5%	JIS-C-5205-5.5
Thermal Shock	±0.2%	Mil-Std 202F, #108
Humidity	±0.3%	Mil-Std 202F, #103B
Solderability	95% coverage	Mil-Std 202F, #208H
Resistance to Soldering Heat	±0.5%	Mil-Std 202F, #210E
Load Life	±0.5%	Mil-Std 202F, #108A
Available Tolerances	B (±0.1%), C (±0.25%), D (±0.5%), F (±1%), J (±5%)	
Operating Temp (°C)	-55°C ~ +155°C	

### DERATING CURVE



### STANDARD TOLERANCES AND TEMPERATURE COEFFICIENT

0.1% (B)	10ppm, 25ppm, 50ppm
0.25% (C)	25ppm, 50ppm
0.5% (D)	25ppm, 50ppm
1.0% (F)	25ppm, 50ppm