

1. Scope:

This specification for approval relates to Thick Film Chip Resistors (Terminal Lead Free).

2. Type designation:

The type designation shall be in the following form:

All part numbers in the coding below start with "TC-" and end with "203"

Ex.

Type	Power Rating	Resistance tolerance	Nominal Resistance
RMC 0402	1/16W	F	75Ω

3. Ratings:

Type	RMC 0201	RMC 0402	RMC 0603	RMC 0805	RMC 1206
Power Rating	1/20W	1/16W	1/10W-S	1/8W-S	1/4W-S
Max. Working Voltage	25 V	50 V	75 V	150 V	200 V
Max. Overload Voltage	50 V	100 V	150 V	300 V	400 V
Dielectric Withstanding Voltage	-	100 V	300 V	500 V	500 V
Temperature Range	-55°C ~ +155°C				
Ambient Temperature	70 °C				

3.1 Power rating:

Resistors shall have a power rating based on continuous load operation at an ambient temperature of 70 °C . For temperature in excess of 70 °C , The load shall be derate as shown in figure 1.

Figure 1

3.2 Nominal Resistance

Effective figures of nominal resistance shall be in accordance with E-24 and E-96 series for 1 % and E-24 series for 2 % and 5 %

4. Construction :



