



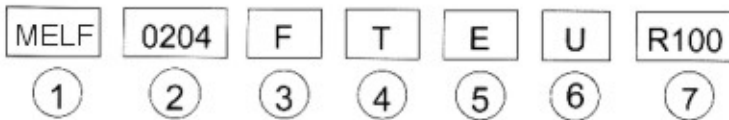
### Features

- Advanced thin film technology.
- Excellent overall stability: Class 0.25.
- Force fitted steel caps, tin plated on nickel barrier.
- Pure Sn termination on Ni barrier layer.

### Applications

- Military
- Automotive
- Telecommunication
- Medical equipment.
- Avionics
- Space

### Part Numbering



#### ① Product Type

Product Type	
MELF	Metal Film Resistor

#### ② Dimensions (LxW)

Codes	Dimensions (LxW)
0204	3.45x1.35mm
0207	5.90x2.20mm

#### ③ Resistance Tolerance

Codes	Resistance Tolerance
Q	±0.02%
A	±0.05%
B	±0.10%
C	±0.25%
D	±0.50%
F	±1.00%
J	±5.00%

#### ④ Packaging

Codes	Type
T	Taping Reel
B	Bulk

#### ⑤ TCR

Codes	Type
B	±10 PPM/°C
N	±15 PPM/°C
C	±25 PPM/°C
D	±50 PPM/°C
E	±100 PPM/°C

#### ⑥ Power Rating

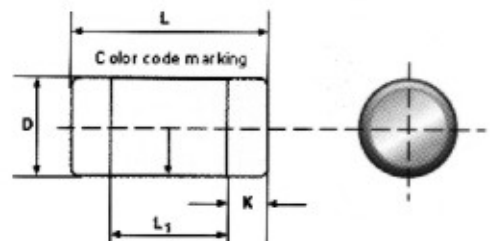
Codes	Type
T	1W
U	1/2W
V	1/4W

#### ⑦ Resistance

Codes	Type
R100	0.10Ω
0100	10.0Ω
2201	2200Ω
1002	10000Ω
4992	49900Ω
1003	100000Ω
1004	1000000Ω

### Dimensions

Codes	L	φD	K	L1 min	Packaging (180mm/7")
0204	3.45±0.3	1.35±0.2	0.6±0.1	2.00	3000EA
0207	5.90±0.3	2.20±0.2	1.0±0.1	3.40	2000EA



**Standard Electrical Specifications**

Item Type	Power Rating at 70°C	Operating Temp. Range	Max Operating Voltage	Resistance Tolerance (± %)	Resistance Range	TCR (±PPM/°C)
0204	0.25W	-55 ~ +155 °C	200V	1% , 5%	0.1Ω-10MΩ	50 , 100
				0.5% , 1% , 5%	1.0Ω-1MΩ	50
				0.1% , 0.25% , 0.5% , 1%	50Ω-200KΩ	10 , 15 , 25 , 50
0207	0.50W	-55 ~ +155 °C	300V	1% , 5%	0.1Ω-10MΩ	50 , 100
				0.5% , 1% , 5%	1.0Ω-1MΩ	50
				0.1% , 0.25% , 0.5% , 1%	50Ω-200KΩ	10 , 15 , 25 , 50
				0.1% , 0.25% , 0.5% , 1%	50Ω-300KΩ	15 , 25 , 50

**High Power Rating Electrical Specifications**

Item Type	Power Rating at 70°C	Operating Temp. Range	Max Operating Voltage	Resistance Tolerance (± %)	Resistance Range	TCR (±PPM/°C)
0204	0.50W	-55 ~ +155 °C	300V	1% , 5%	0.1Ω-10MΩ	50 , 100
				0.5% , 1% , 5%	1.0Ω-1MΩ	50
				0.1% , 0.25% , 0.5% , 1%	50Ω-200KΩ	10 , 15 , 25 , 50
0207	1.00W	-55 ~ +155 °C	500V	1% , 5%	0.1Ω-10MΩ	50 , 100
				0.5% , 1% , 5%	1.0Ω-1MΩ	50
				0.1% , 0.25% , 0.5% , 1%	50Ω-200KΩ	10 , 15 , 25 , 50
				0.1% , 0.25% , 0.5% , 1%	50Ω-300KΩ	15 , 25 , 50