

Thick Film Chip Resistor 1206



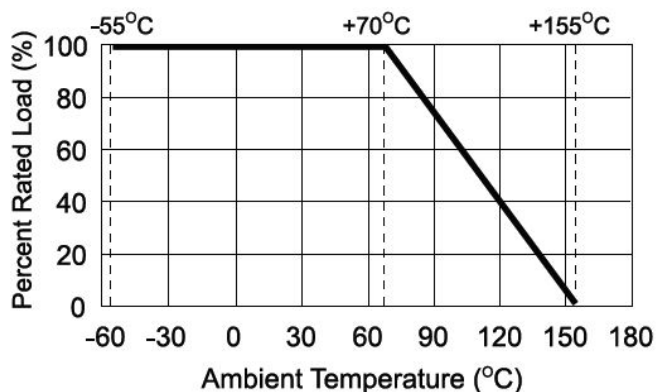
Features

- Small size and light weight
- Suitable for both wave and reflow soldering
- Reduction of assembly costs

Performance Specification

Temperature Coefficient	: 1Ω to 10Ω ±400PPM/°C 11Ω to 100Ω ±200PPM/°C >100Ω ±100PPM/°C
Short Time Overload	: ±5% : ±(2% +0.1Ω)Max. ±1% : ±(1% +0.1Ω)Max.
Insulation Resistance	: Min. 1,000MΩ
Dielectric Withstanding Voltage	: No evidence of flashover, mechanical damage, arcing or insulation breakdown.
Terminal Bending	: ±(1% +0.05Ω) Max.
Soldering Heat	: ±(1% +0.05Ω) Max.
Solderability	: Min. 95% coverage
Temperature Cycling	: ±5% : ±(1% +0.05Ω) Max. ±1% : ±(0.5% +0.05Ω) Max.
Humidity (Steady State)	: ±5% : ±(3% +0.1Ω) Max. ±1% : ±(0.5% +0.1Ω) Max.
Load Life in Humidity	: ±5% : ±(3% +0.1Ω) Max. ±1% : ±(1% +0.1Ω) Max.
Load Life	: ±5% : ±(3% +0.1Ω) Max. ±1% : ±(1% +0.1Ω) Max.

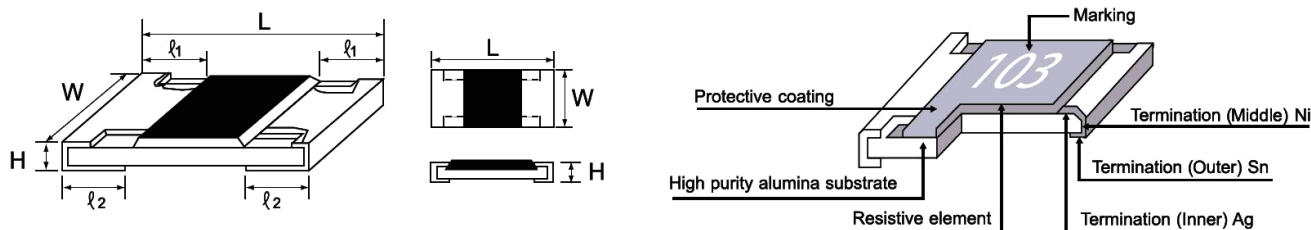
Derating Curve



Thick Film Chip Resistor

1206

Dimension



Type	Dimension (mm)				
	L	W	H	ℓ_1	ℓ_2
1206	3.1 ± 0.15	$1.55^{+0.15}_{+0.1}$	0.55 ± 0.1	0.45 ± 0.2	0.45 ± 0.2

Type	Power Rating at 70°C	Max. Working Voltage	Max. Overload Voltage	Dielectric Withstanding Voltage	Tolerance %	Resistance Range
1206	1/4W-S 1/8W	2A	4A	-	Jumper	<50mΩ
		200V	400V	500V	±1%	10Ω to 1MΩ
					±2%	1Ω to 10MΩ
					±5%	1Ω to 10MΩ

Part Number Table

Description	Part Number
Resistor, 1206, 42R2, 1%, Full Reel	MC0.125W12061%42R2FR
Resistor, 1206, 91R, 1%, Full Reel	MC0.125W12061%91RFR
Resistor, 1206, 953R, 1%, Full Reel	MC0.125W12061%953RFR
Resistor, 1206, 430K, 1%, Full Reel	MC0.125W12061%430KFR
Resistor, 1206, 953R, 1%	MC0.125W12061%953R
Resistor, 1206, 90K9, 1%	MC0.125W12061%90K9
Resistor, 1206 390K	MC 0.125W 1206 1% 390K
Resistor, 100R, 125mW, 1%	MC 0.125W 1206 1% 100R
Resistor, 1K, 125mW, 1%	MC 0.125W 1206 1% 1K
Resistor, 10K, 125mW, 1%	MC 0.125W 1206 1% 10K
Resistor, 100K, 125mW, 1%	MC 0.125W 1206 1% 100K
Resistor, 1206 1M	MC 0.125W 1206 1% 1M
Resistor, 1206 10R	MC 0.125W 1206 1% 10R
Resistor, 1206 110R	MC 0.125W 1206 1% 110R
Resistor, 1206 1K1	MC 0.125W 1206 1% 1K1
Resistor, 1206 11K	MC 0.125W 1206 1% 11K
Resistor, 1206 110K	MC 0.125W 1206 1% 110K
Resistor, 1206 11R	MC 0.125W 1206 1% 11R
Resistor, 1206 120R	MC 0.125W 1206 1% 120R