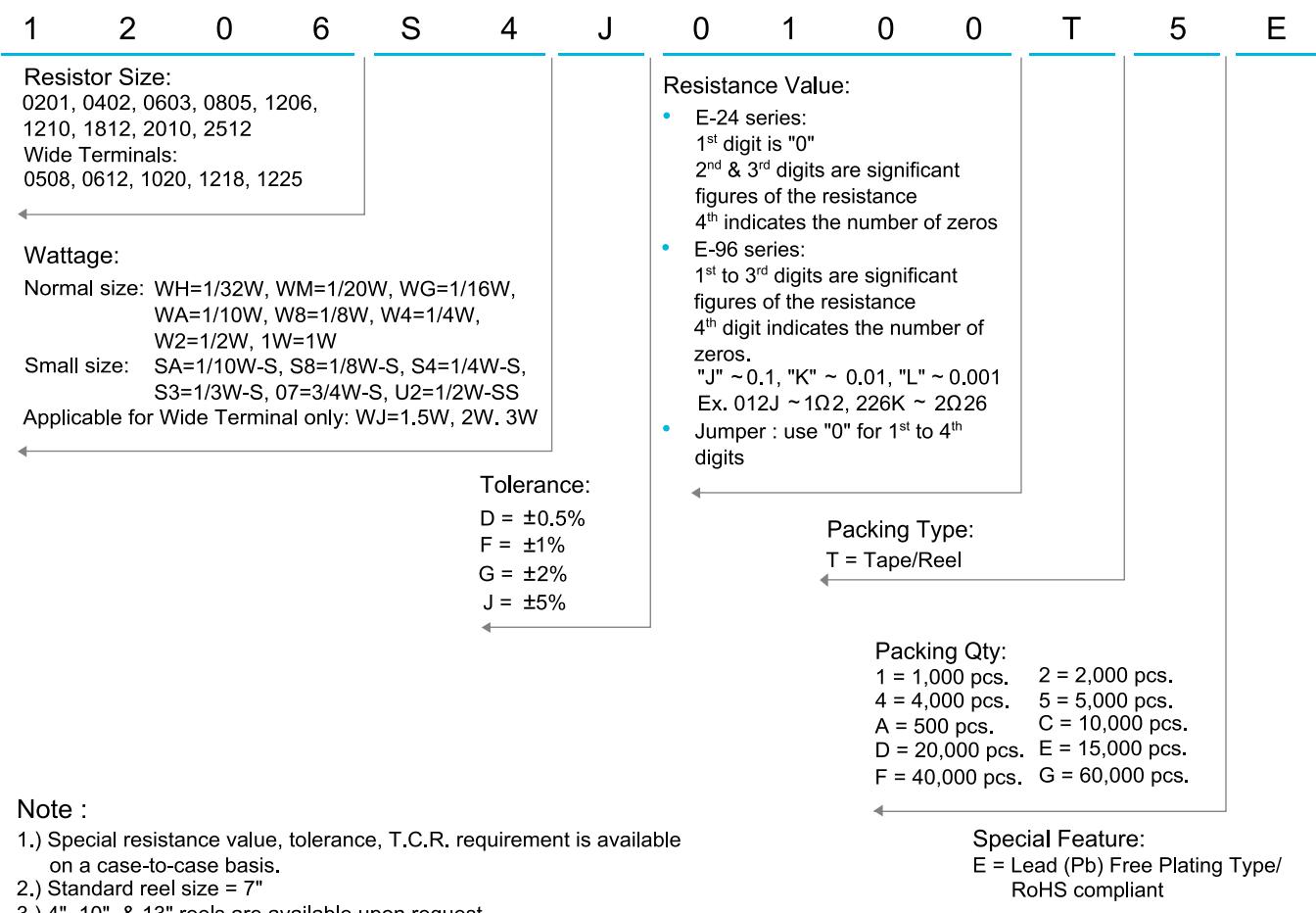


Thick Film Chip Resistors

Performance Specification

Temperature Coefficient	0Ω1 ~ 0Ω99 1Ω ~ 10Ω 10.1Ω ~ 100Ω >100Ω	±800PPM/°C ±400PPM/°C ±200PPM/°C ±100PPM/°C	(0201: >100Ω ≤ ±200PPM/°C)
Short Time Overload		±5%: ±(2.0% + 0.1Ω)Max ±1%: ±(1.0% + 0.1Ω)Max	
Insulation Resistance		Min. 1,000 Mega Ohm	
Dielectric Withstanding Voltage		No evidence of flashover, mechanical damage, arcing or insulation breakdown.	
Terminal Bending		±(1.0% + 0.05Ω)Max	
Soldering Heat		±(1.0% + 0.05Ω)Max	
Solderability		Min. 95% coverage.	
Temperature Cycling		±5% : ±(1.0% + 0.05Ω)Max ±1% : ±(0.5% + 0.05Ω)Max	
Humidity (Steady State)		±5% : ±(3.0% + 0.1Ω)Max ±1% : ±(0.5% + 0.1Ω)Max	
Load Life in Humidity		±5% : ±(3.0% + 0.1Ω)Max ±1% : ±(1.0% + 0.1Ω)Max	
Load Life		±5% : ±(3.0% + 0.1Ω)Max ±1% : ±(1.0% + 0.1Ω)Max	

Ordering Procedure: Ex.: 1206, 1/4W-S, +/-5%, 10Ω T/R-5000



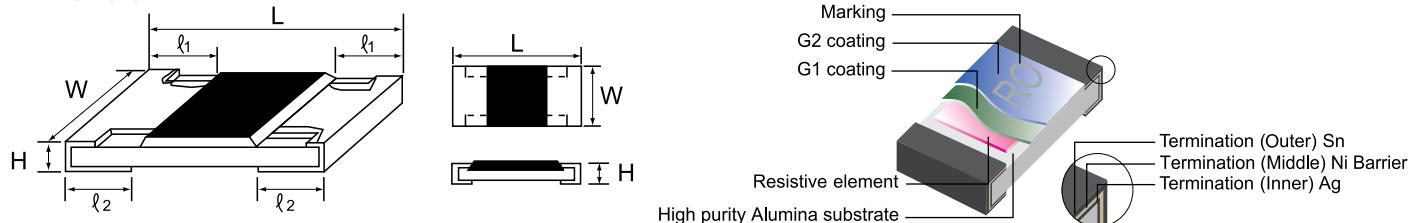
Thick Film Chip Resistors

Features

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



Dimension



Type	Power Rating at 70°C	Max Working Voltage/Current	Max Overload Voltage/Current	Dielectric Withstanding Voltage	Tolerance %	Resistance Range	Dimension (mm)				
							L	W	H	l1	l2
0201 (0603)	1/20W	0.5A	1A	-	Jumper	<50mΩ	0.60±0.03	0.30±0.03	0.23±0.03	0.10±0.05	0.15±0.05
		25V	50V	-	±1% ±2% ±5%	1Ω~10MΩ 1Ω~10MΩ 1Ω~10MΩ					
0402 (1005)	1/16W	1A	2A		Jumper	<50mΩ	1.00±0.10	0.50±0.05	0.35±0.05	0.20±0.10	0.25±0.10
		50V	100V	100V	±1% ±2% ±5%	1Ω~10MΩ 1Ω~10MΩ 1Ω~10MΩ					
0603 (1608)	1/10W-S 1/16W	1A	2A		Jumper	<50mΩ	1.60±0.10	0.80 ^{+0.15} -0.10	0.45±0.10	0.30±0.20	0.30±0.20
		75V	150V	300V	±1% ±2% ±5%	1Ω~10MΩ 1Ω~10MΩ 1Ω~10MΩ					
0805 (2012)	1/8W-S 1/10W	2A	5A		Jumper	<50mΩ	2.00±0.15	1.25 ^{+0.15} -0.10	0.55±0.10	0.40±0.20	0.40±0.20
		150V	300V	500V	±1% ±2% ±5%	1Ω~10MΩ 1Ω~10MΩ 1Ω~10MΩ					
1206 (3216)	1/4W-S 1/8W	2A	10A		Jumper	<50mΩ	3.10±0.15	1.55 ^{+0.15} -0.10	0.55±0.10	0.45±0.20	0.45±0.20
		200V	400V	500V	±1% ±2% ±5%	1Ω~10MΩ 1Ω~10MΩ 1Ω~10MΩ					
1210 (3225)	1/2W-SS 1/3W-S 1/4W	2A	10A		Jumper	<50mΩ	3.10±0.10	2.60±0.15	0.55±0.10	0.50±0.25	0.50±0.20
		200V	500V	500V	±1% ±2% ±5%	1Ω~10MΩ 1Ω~10MΩ 1Ω~10MΩ					
1812	1/2W 3/4W-S	2A	10A		Jumper	<50mΩ	4.50±0.20	3.20±0.20	0.55±0.20	0.50±0.20	0.50±0.20
		200V	500V	500V	±1% ±5%	1Ω~10MΩ 1Ω~10MΩ					
2010 (5025)	3/4W-S 1/2W	2A	10A		Jumper	<50mΩ	5.00±0.10	2.50±0.15	0.55±0.10	0.60±0.25	0.50±0.20
		200V	500V	500V	±1% ±2% ±5%	1Ω~10MΩ 1Ω~10MΩ 1Ω~10MΩ					
2512 (6432)	1W	2A	10A		Jumper	<50mΩ	6.35±0.10	3.20±0.15	0.55±0.10	0.60±0.25	0.50±0.20
		200V	500V	500V	±1% ±2% ±5%	1Ω~10MΩ 1Ω~10MΩ 1Ω~10MΩ					

Note:

- 1.) Metric information inside parenthesis.
- 2.) Standard Operating Temp (°C): -55 ~ +155
- 3.) Standard: E-96 series: 0.5%, 1%
E-24 series: 2%, 5%
- 4.) Low resistance range (0.1Ω ~ 0.99Ω) is also available for 0402, 0603, 0805, 1206, 1210, 2010 and 2512

Derating Curve

