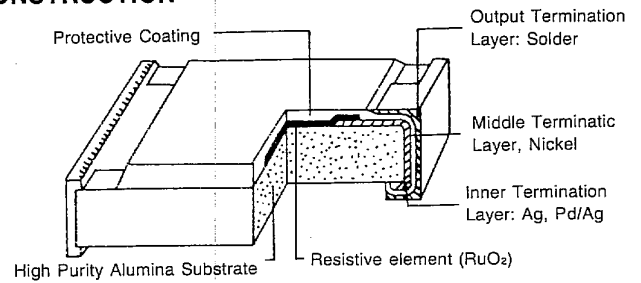


CHIP RESISTORS

■ INTRODUCTION

The chip resistors are constructed by screen printing a metal glaze layer on a high grade ceramic substrate (aluminum oxide). By changing the composition of the metal glaze, different resistance values can be obtained. On both sides end terminations are made by nickel barrier along with solder electroplated to guarantee the solderability. Also the resistive layer is covered with a protective coat, which enables "face-down" mounting.

■ CONSTRUCTION



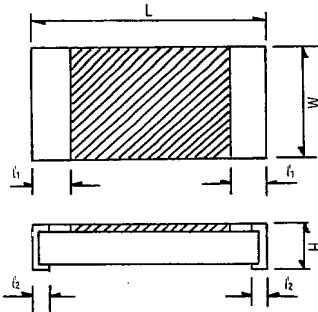
■ FEATURES

- Small in size and light in weight.
- Electrical stability and high reliability.
- Excellent mechanical strength and high frequency characteristics.
- Suitable for both reflow soldering and flow soldering application.
- Reduction of assembly cost and matching with auto placement machines.

■ APPLICATION

- Hybrid thick and thin film integrated circuits
- Telecommunication equipment
- Computers
- Electronic watches and cameras
- TV tuner
- Radio and tape recorder's
- Medical or Military equipment

■ DIMENSION



(Unit: mm)

Type	L	W	H	l ₁	l ₂
0603	1.60 ± 0.15	0.80 ± 0.15	0.45 ± 0.10	0.30 ± 0.20	0.30 ± 0.20
0805	2.00 ± 0.20	1.25 ± 0.15	0.55 ± 0.10	0.40 ± 0.25	0.40 ± 0.25
1206	3.20 ± 0.20	1.60 ± 0.15	0.55 ± 0.10	0.45 ± 0.20	0.45 ± 0.20

■ POWER RATING

TYPE	T.C.R. (PPM/°C)	POWER RATING	MAX. WORKING VOLTAGE	MAX. OVERLOAD VOLTAGE	RESISTANCE RANGE/TOLERANCE			RATING AMBIENT TEMPERATURE	OPERATING TEMP. RANGE
					F (±1%)	G (±2%)	J (±5%)		
					E-96	E-24	E-24		
0603	± 300ppm	1/16W	50V	100V	—	—	10Ω - 1MΩ	+ 70°C	- 55°C - + 125°C
0805	± 500ppm	1/10W	100V	200V	—	—	1Ω - 9.1Ω		
	± 200ppm				—	1.1MΩ - 5.6MΩ			
	± 100ppm				10Ω - 1MΩ	—	10Ω - 1MΩ		
1206	± 500ppm	1/8W	200V	400V	—	—	1Ω - 9.1Ω		
	± 200ppm				—	6.2MΩ - 10MΩ			
	± 100ppm				10Ω - 5.6MΩ	—	10Ω - 5.6MΩ		