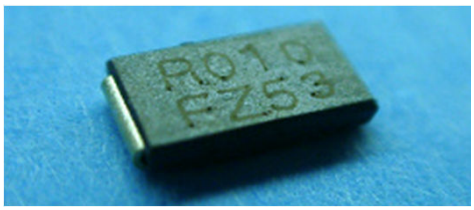
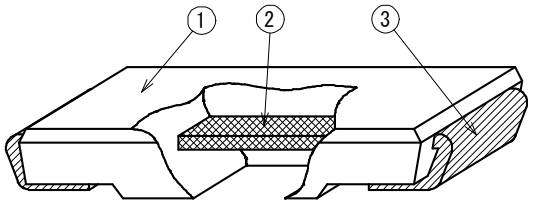
Current Detecting Plate Chip Resistor

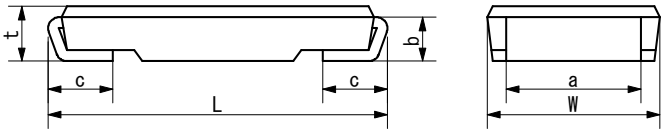
Model No. LPZ



■Constructions and Dimensions



①	Exterior	②	Resistor plate	③	Terminal



Type	Dimensions(mm)					
	L	W	t	a	b	c
LPZ	6.2±0.3	3.1±0.2	1.0±0.2	2.5±0.2	0.8±0.2	1.2±0.3

■Feature

- ･High precision has been made possible by using our original trimming method.
- ･It is achieved to have good electrical characteristics by using a special metallic material for the resistor.
- ･Excellent accuracy for current detection, by measure against thermoelectric power.

(Applicable for resistance ≦ 80mΩ)

■Type Designation

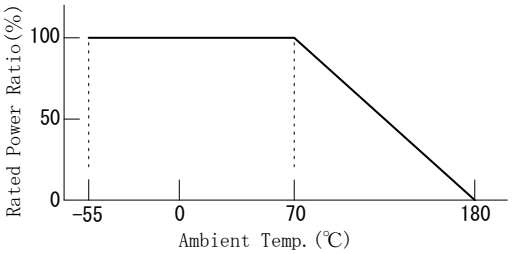
Ex)LPZ1 R020 FE

LPZ	1	R020	F	E
Type	Power Rating	Resistance	Tolerance	Packaging
Current Detecting Plate Chip Resistor	1:1W	R003～R100 (3～100mΩ)	F:±1.0% G:±2.0%	Embossed taping

■Power Rating

Type	Power Rating	Tolerance	Resistance Range	T.C.R.	Rated Ambient Temp.	Operating Temp.Range
	[W]	[%]	[mΩ]	[ppm/℃]	[℃]	[℃]
LPZ	1.0	F:±1.0% G:±2.0%	3,4	±300	+70	-55～ +180
			5～9	±180		
			10～100	±100		

■Derating Curve



■Performance

Items	Characteristics	Test method
Short-time over load	resistance change within ±0.5%	Rated power×2 5s
Resistance to soldering heat	resistance change within ±0.5%	260℃ 5s
Endurance (under damp and load)	resistance change within ±2.0%	40℃、95%RH、1,000h 1.5hON, 0.5hOFF cycle
Endurance (rated load)	resistance change within ±2.0%	70℃、1,000h 1.5hON, 0.5hOFF cycle