

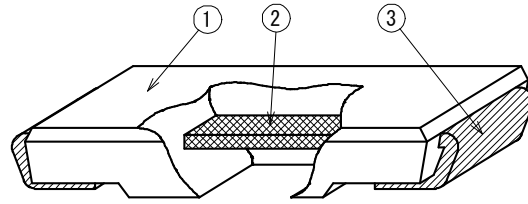


Current Detecting Plate Chip Resistor

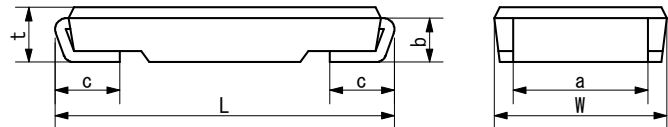
Model No. LPS



■ Constructions and Dimensions



① Exterior	② Resistor plate	③ Terminal
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Type	Dimensions(mm)					
	L	W	t	a	b	c
LPS	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.

■ Type Designation

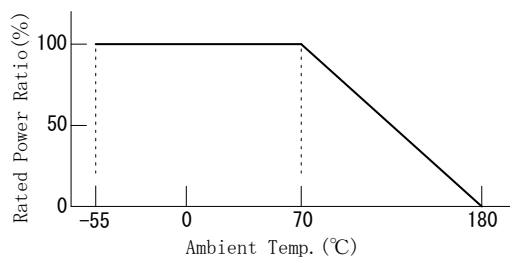
Ex) LPS1 R020 FE

LPS	1	R020	F	E
Type	Power Rating	Resistance	Tolerance	Packaging
Current Detecting Plate Chip Resistor	1:1W	R005~R100 (5~100mΩ)	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/°C]	[°C]	[°C]
LPS	1.0	F:±1.0% G:±2.0%	5~9	±180	+70	-55~ +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°C 5s
Endurance (under damp and load)	resistance change within ±2.0%	40°C, 95%RH, 1,000h 1.5hON, 0.5hOFF cycle
Endurance (rated load)	resistance change within ±2.0%	70°C, 1,000h 1.5hON, 0.5hOFF cycle