

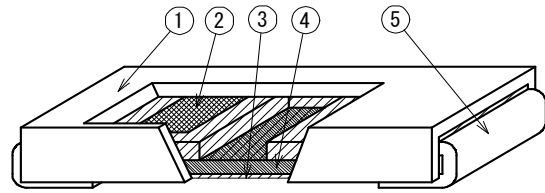


Current Detecting Plate Chip Resistor

Model No. LPU



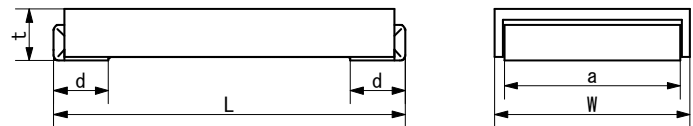
Constructions and Dimensions



①	Resin case	②	Adhesive	③	Insulator
④	Resistor plate	⑤	Electrode		

Feature

- Miniaturized 2W type, 6.4mm × 3.5mm
- Suitable for large current detecting.
- LPU is a type being measured against seebeck effect.



Type	Dimensions(mm)				
	L	W	t	a	d
LPU	6.4±0.3	3.5±0.2	1.2 max.	3.2±0.2	1.0±0.2

Type Designation

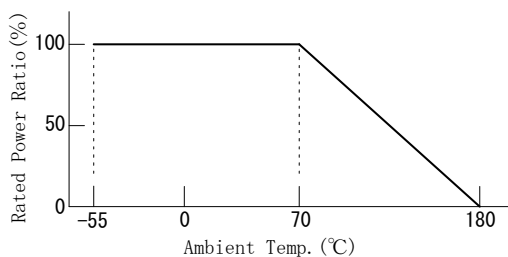
Ex) LPU2 R005 FEH

LPU	2	R005	F	E	H
Type	Power Rating	Resistance	Tolerance	Packaging	Heat-resistant resin
Current Detecting Plate Chip Resistor	2:2W	R005~R040 (5~40mΩ)	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]
LPU	2.0	F:±1.0%	5~9	±200	+70	-55~+180
		G:±2.0%	10~40	±100		

Derating Curve



Performance

Items	Characteristics	Test method
Short-time over load	resistance change within ±0.5%	Rated power×4 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