



■ Feature

Model No. "LPZ" is the miniaturized metal plate chip resistors.

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.

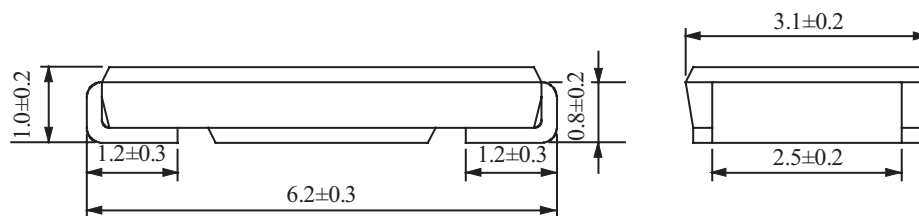
Excellent accuracy for current detection, by measure against thermoelectric power. (Applicable for resistance $\leq 80\text{m}\Omega$)



■ Characteristics

Item	Specification	
Resistance Range	3m Ω ~ 100m Ω	
Tolerance	Resistance Range	
	F($\pm 1.0\%$)	3m Ω ~ 100m Ω
	G($\pm 2.0\%$)	3m Ω ~ 9m Ω
T.C.R.	$\pm 100\text{ppm}/^\circ\text{C}$	10m Ω ~ 100m Ω
	$\pm 180\text{ppm}/^\circ\text{C}$	5m Ω ~ 9m Ω
	$\pm 300\text{ppm}/^\circ\text{C}$	3m Ω ~ 4m Ω
Power Rating	1W	
Operating Temp Range	-55 $^\circ\text{C}$ ~ +180 $^\circ\text{C}$	
Rating Ambient Temp.	+70 $^\circ\text{C}$	

■ Dimensions



■ Model Designation

LPZ 1 R020 F E
 ① ② ③ ④ ⑤

		Symbol	Meaning
①	Model No.	LPZ	CURRENT DETECTING PLATE CHIP RESISTOR
②	Power Rating	1	1W
③	Resistance	R005	5m Ω
		R100	100m Ω
④	Tolerance	F	$\pm 1.0\%$
		G	$\pm 2.0\%$
⑤	Packaging	E	Embossed Taping