

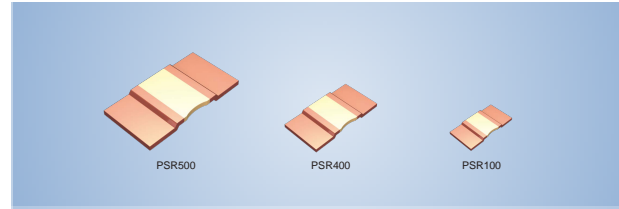
High Power Ultra-Low-Ohmic Shunt Resistors

PSR Series

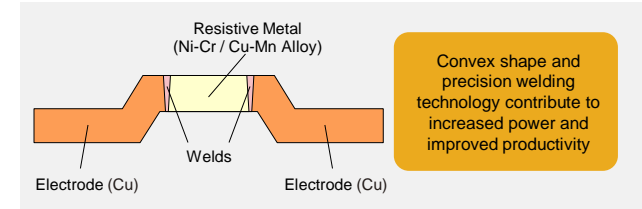
Features

- Simple structure strong against large loads
- Convex design
- Ultra-low resistances from 0.3mΩ

Packages



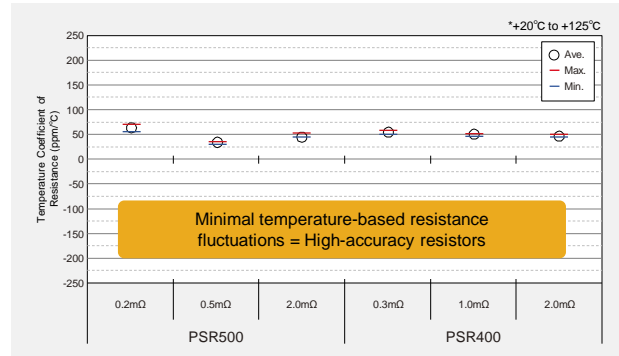
Original Low Heat Generation Structure



Applications

- Automotive (i.e. EPS, battery monitoring unit, HVAC)
- Industrial equipment (e.g. power supplies for servers and base stations, ESS)
- Home appliances (AC, refrigerators)

Superior Temperature Coefficient of Resistance



Lineup

Part No.	Resistance (mΩ)	Size (mm)		
		L	W	H
★ PSR100	0.3	6.4 ± 0.3	3.2 ± 0.3	—
	0.5			
	1			
New PSR400	0.3	10 ± 0.3	5.2 ± 0.3	1.85 ± 0.15
	0.5			1.30 ± 0.15
	1			0.90 ± 0.15
New PSR500	0.3	15 ± 0.3	7.75 ± 0.3	1.10 ± 0.15
	0.4			0.90 ± 0.15
	0.5			1.85 ± 0.15
				1.40 ± 0.15
				1.15 ± 0.15
				1.05 ± 0.15
				1.30 ± 0.15
				0.80 ± 0.15

Part No.	Size (mm [inch])	Rated Power (W)	Resistance Tolerance	Resistance Range (mΩ)	Temperature Coefficient of Resistance (ppm/°C)	Operating Temperature Range (°C)
★ PSR100	6.4 × 3.2 [2512]	3	F (±1%)	1	±100	-55 to +170
New PSR400	10 × 5.2 [3921]	4	F (±1%)	0.3, 0.5	±175	
				1.0, 2.0, 3.0	±75	
New PSR500	15 × 7.75 [5931]	5	F (±1%)	0.2	±225	
				0.3, 0.4, 0.5	±150	
				1.0, 2.0	±75	

★ : Under Development TCR : PSR (+20°C to +125°C)