

大電流アプリケーションでの電流検出用途に最適

Ideal for Current Detection in Large-Current Applications

NEW



高電力超低抵抗 シャント抵抗器

High Power Ultra-Low-Ohmic Shunt Resistors

PSR Series

Features

■ 負荷に強いシンプルな構造

Simple structure strong against large loads

■ 凸型形状を採用

Convex design

■ 0.1mΩ～の超低抵抗を実現

Ultra-low resistances from 0.1mΩ

Applications

■ 車載（EPS、バッテリー監視ユニット、HVAC他）

Automotive (i.e. EPS, battery monitoring unit, HVAC)

■ 産業機器（サーバ電源、基地局電源、ESS）

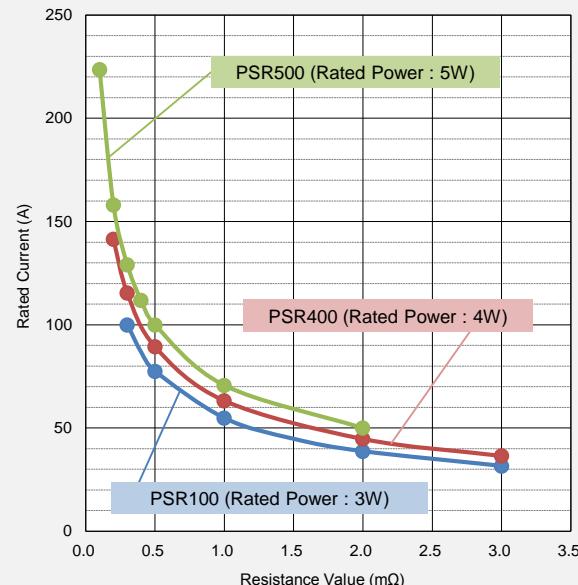
Industrial equipment (e.g. power supplies for servers and base stations, ESS)

■ 白物家電（エアコン、冷蔵庫）

Home appliances (AC, refrigerators)

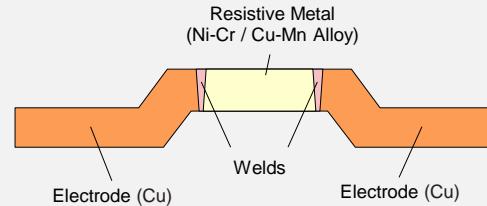
大電流に対応

Supports Larger Currents



高放熱構造を採用

High Heat Dissipation Structure



Cu電極を大型化し、端子温度を低減
Larger copper electrodes decrease terminal temperature

ラインアップ

Lineup

Part No.	Size (mm [inch])	Rated Power (W) [70°C]	Resistance Tolerance	Temperature Coefficient of Resistance (ppm/°C)*	Resistance Range (mΩ)	Operating Temperature Range (°C)
New PSR100	6.4 × 3.2 [2512]	3	F (±1%)	±150	0.3	-55 to +170
				±115	0.5	
				±100	1.0	
				±50	2.0, 3.0	
				±175	☆ 0.2	
PSR400	10 × 5.2 [3921]	4	F (±1%)	±200	0.3, 0.5	-55 to +170
				±75	1.0, 2.0, 3.0	
				±200	☆ 0.1	
				±225	0.2	
PSR500	15 × 7.75 [5931]	5	F (±1%)	±150	0.3, 0.4, 0.5	-55 to +170
				±75	1.0, 2.0	
				☆ :	Under Development	
				*	(+20°C to +125°C)	