

High Precision Reference Shunt Resistor

FEATURES

- High precision reference shunt resistor utilizing Bulk Metal® Foil technology
- Accurate nominal value within $\pm 0.05\%$ (class 0.05)
- Low TCR provide extremely stable output voltage
- Specially designed perforated side panel for air cooling
- Mountable chassis with screw holes on equipment or test bench

MASS

3 kg (6.6 lbs) max.

DESCRIPTION

PSR series is high precision and high reliable reference shunt resistor which is utilizing Bulk Metal® Foil technology provide an excellent stability and low TCR. High current handling capability with excellent linearity for variety of current measurements.

PSR series is used for calibration of test equipment, automotive battery test application, maintenance or installation of ISO/IEC17025.

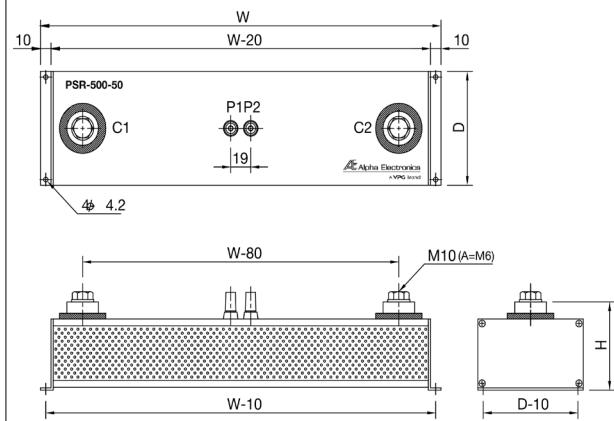
Available up to 1000 A *Please contact to sales office.

PRECAUTION IN USING PSR RESISTOR

- Use within the current rating
- Tighten torque of C1&C2 terminals for minimizing electrical contact resistance



CONFIGURATION in millimeters



| Type | W | D | H |
|------|-----|-----|----|
| A | 320 | 75 | 75 |
| B | 380 | 75 | 78 |
| C | 380 | 100 | 78 |

SPECIFICATIONS

| Series | Current Rating | Output | Nominal Value | Accuracy @10A | Temp. Coefficient | Power Coefficient | Working Temp. Range | Type |
|-------------|----------------|--------|---------------|---------------|-------------------|-------------------|---------------------|------|
| | A | mV | mΩ | ppm | ppm/°C | % | °C | |
| PSR-100-100 | 100 | 100 | 1.000 | ±500 | 0±5 | ±0.1 | 0-50 | A |
| PSR-200-50 | 200 | 50 | 0.250 | | | | | B |
| PSR-200-60 | | 60 | 0.500 | | | | | |
| PSR-200-100 | | 100 | 0.500 | | | | | |
| PSR-300-50 | 300 | 50 | 0.167 | | | | | |
| PSR-300-60 | | 60 | 0.200 | | | | | |
| PSR-300-100 | | 100 | 0.333 | | | | | |
| PSR-400-50 | 400 | 50 | 0.125 | | | | | C |
| PSR-400-60 | | 60 | 0.150 | | | | | |
| PSR-500-50 | 500 | 50 | 0.100 | | | | | |
| PSR-500-60 | | 60 | 0.120 | | | | | |