

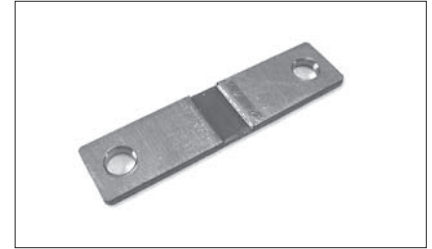
ISA-WELD SHUNT RESISTORS

BAS-M

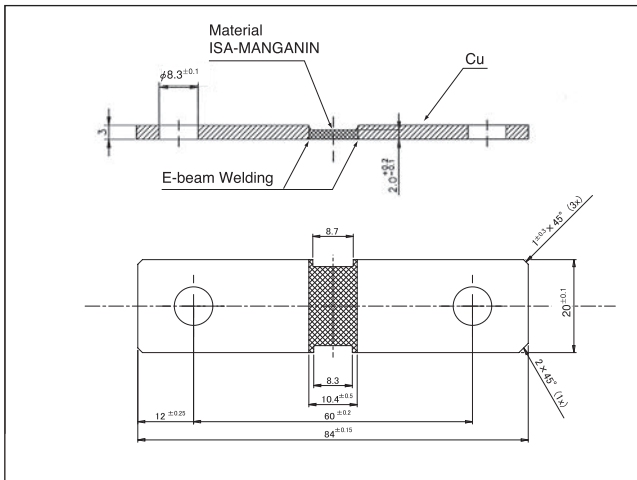
Max. Current (Permanent) 350 A

Type	Load Capacity (W) *	Resistance (Ω)	Tolerance (%)	Temp. Coefficient (20°C ~ 60°C)	Operating Temp.	Internal Heat Resistance (°C / W)a-b	Weight (g)
BAS-M-R0001	15	0.1m	±5	±50ppm/°C	-50~+170	2	40
BAS-M-R0002	8	0.2m					
BAS-M-R0005	7	0.5m					
BAS-M-R001	6	1m					
BAS-M-R002	5	2m					

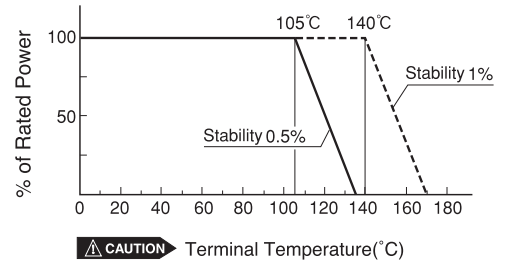
* Referring to power derating curve. Proper measures for heat radiation should be taken.



Shape & Dimensions

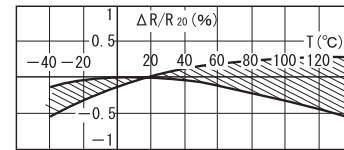


Power Derating Curve



Terminal Temperature(°C)

Resistance Change Versus Temp. (ISA Manganin)



Performance

Parameters	Test Conditions	Specification
Thermal Shock	-65°C, 25°C, 125°C, 25°C 25cycles	±0.2%
Over load	5×Wattage Rating 5sec	±0.2%
Resistance to Solvents	IPA 3min	No damage
Low Temp. Storage and Operation	MIL-R-26E	±0.1%
Resistance to Soldering Heat	260°C 10sec	±0.2%
Moisture Resistance	Near 100%RH, +25°C, +65°C, -10°C 10cycles (10days)	±0.2%
Shock	50g's, 11ms	±0.2%
Vibration, High Frequency	MIL-STD-202 Method 204D-B	±0.2%
Load Life (Terminal Temp. Max. 105°C)	1.5Hr ON 0.5Hr OFF 2000Hr	±0.5 %
Load Life (Terminal Temp. Max. 140°C)	1.5Hr ON 0.5Hr OFF 2000Hr	± 1 %
Storage Life at Elevated Temp.	MIL-STD-202 method 108A-F	±0.3%
High Temperature Exposure	140°C, 2000Hr	±0.5%
Current Noise	MIL-STD-202 method 308	±0.01%
Voltage Coefficient	MIL-STD-202 method 309	linearity error less than 120dB
Thermal EMF (μV / °C)	0~60°C	0.5μV/°C max
Frequency Characteristic	Inductance	<3nH

How to order

BAS-M-R0001

Type

- Standard Resistance(stock)
 BAS-M-R0001 0.1mΩ J (±5%)



PCN Corporation

Sagamihara Business Office

4-3-17 Sagamihara, Chuo-ku, Sagamihara-shi, Kanagawa-Pref., JAPAN 252-0231
 Phone : 81-42-776-0931 Fax : 81-42-776-0940 E-mail : sales@pcn.co.jp