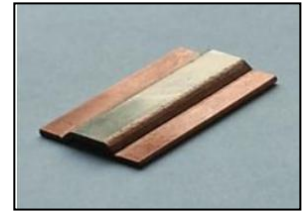


[Preliminary version]

BWS12, 15 Chip Shunt Resistors

- High Power Metal Alloy Strip Resistors.
- Battery Shunt Resistor Electron Beam Welding Construction.
- Continuous current load up to 346A at BWS12.
- Continuous current load up to 387A at BWS15.
- Very low ohmic resistor.
- Ideal for all types of current sensing, voltage division and pulse applications including switching and linear power supplies, instruments, power amplifiers.
- Solderable terminations.



GENERAL SPECIFICATIONS

Model	*Power rating	Resistance	Tolerance	*TCR (-20°C to +150°C)	Operating temperature range
BWS12-M	12 W	0.1 mΩ	[F] ±1%	Max. ±50ppm/°C	-40°C ~ +170°C
BWS15-M	15 W		[J] ±5%		

*See table : Rated power dependence of "Derating curve(terminal temperature)"

DIMENSIONS (mm) & DERATING CURVE

Model	Value	Material	A	B	Thickness(t)
BWS12-M	0.1 mΩ	Manganin	10.5±0.5	2.25±0.5	0.87±0.3
BWS15-M			15±0.5	4.5±0.5	0.83±0.3

<p>* Dimensions</p>	<p>* Derating Curve</p>
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CHARACTERISTICS

Resistance Values	0.1mΩ
Tolerance	[F]±1%, [J]±5%
Temperature Coefficient	Max. ±50ppm/°C (-20°C to +150°C)
Operating temperature	-40°C ~ +170°C
Load Life	<1.0% after 2000 hours

ORDERING PROCEDURE EXAMPLE

BWS12	0.1mΩ	J
↓	↓	↓
Model #	Resistance Value	Tolerance
		F : ±1%
		J : ±5%