Features:

- 1, 3 and 5 watts
- ±1%, ±2% or ±5% tolerance
- Resistance wire TCR ±20ppm/ºC
- Low inductance versions available for high frequency applications
- All welded construction
- Flameproof
- Non-inductive (10 nH max)
- Solderable copper leads (60/40)
- High current handling to 70 amps
- RoHS compliant / lead-free

Applications:

- Current sensing
- Feedback
- Low inductance
- Surge and pulse

Electrical Specifications

Type / Code	Power Rating (Watts) at 85ºC	Resistance Temperature Coefficient (1)	Ohmic Range (Ω) and Tolerance	
			1%	2%, 5%
BR 1	1 W	±100ppm/ºC - ±20ppm/ºC	0.003 - 0.1	0.003 - 0.1
BR 3	3 W	±100ppm/ºC - ±20ppm/ºC	0.0025 - 0.1	0.0025 - 0.1
BR 5	5 W	±100ppm/ºC - ±20ppm/ºC	0.003 - 0.05	0.003 - 0.05

(1) Contact factory for resistance values below 0.005Ω

Please refer to the High Power Resistor Application Note for more information on designing and implementing high power resistor types.

High Power Resistors

Performance Characteristics

Test	Test Results
Moisture Resistance	± 1%
Load Life @ 25ºC - 1,000 hrs.	± 1%
Short Time Overload	± 0.5%
Temperature Cycle @ -40ºC & +125ºC (1,000 cyc)	± 1%

How to Order

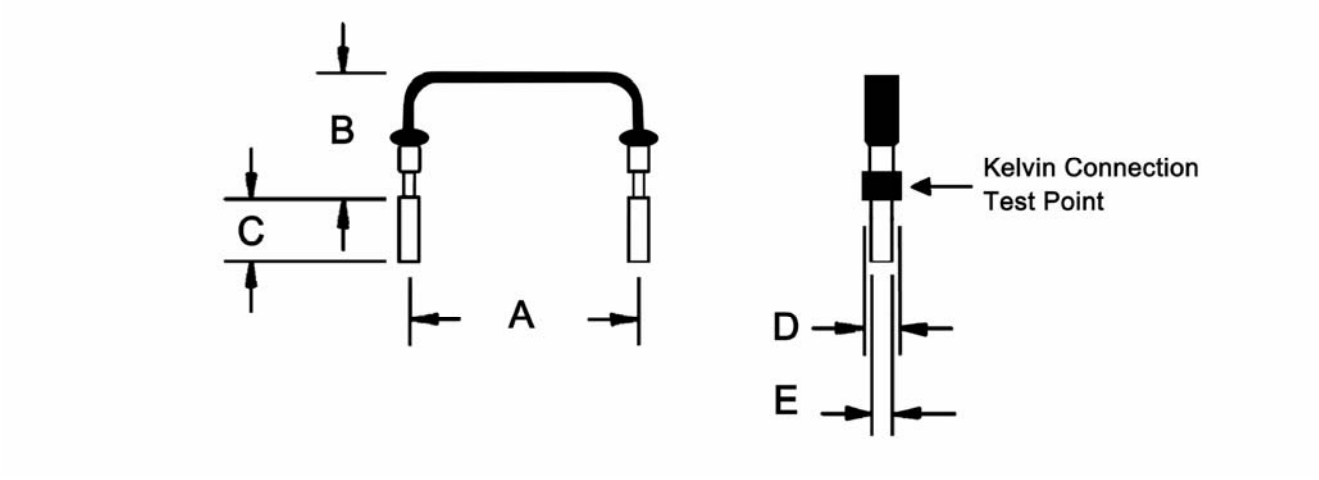
SEI Type	Code	Nominal Resistance	Tolerance	Packaging
BR	1	0.1	5%	B

Type	Description
BR	Current Sense

Code	Wattage
1	1 W
3	3 W
5	5 W

Tolerance
1%
2%
5%

Code	Description	Pkg Qty
B	Bulk	1,000



Mechanical Specifications						
Type / Code	**A**	**B**	**C**	**D**	**E**	**Units**
BR 1	0.45 + 0.04/-0.02 11.43 + 1.02/-0.508	0.2 ± 0.1 5.08 ± 2.54	0.125 ± 0.03 3.18 ± 0.762	0.065 ± 0.01/-0.005 1.65 ± 0.254/-0.127	0.04 ± 0.002 1.02 ± 0.051	inches mm
BR 3	0.6 + 0.04/-0.02 15.3 + 1.02/-0.508	0.6 Typ - 1 Max 15.3 Typ - 25.4 Max	0.125 ± 0.03 3.18 ± 0.762	0.065 ± 0.01/-0.005 1.65 ± 0.254/-0.127	0.04 ± 0.002 1.02 ± 0.051	inches mm
BR 5	0.8 + 0.04/-0.02 20.32 + 1.02/-0.508	0.6 Typ - 1 Max 15.3 Typ - 25.4 Max	0.125 ± 0.03 3.18 ± 0.762	0.065 ± 0.01/-0.005 1.65 ± 0.254/-0.127	0.04 ± 0.002 1.02 ± 0.051	inches mm