

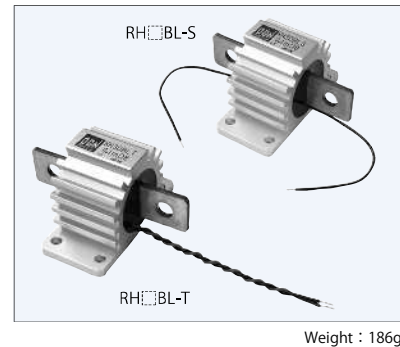
GENERAL-PURPOSE POWER SHUNT RESISTORS RH BL

Features

- ISA-WELD shunt resistor BAS-M built-in in an aluminum case
- Accuracy of current sensing Improved
- Facilitated installation by changing the structure from 2 to 4 terminals configuration
- Electrically and mechanically excellent structure achieved by welding the resistive element and current terminals with electron beam

Max. Current (Continuous) : 1000A (35 μΩ)

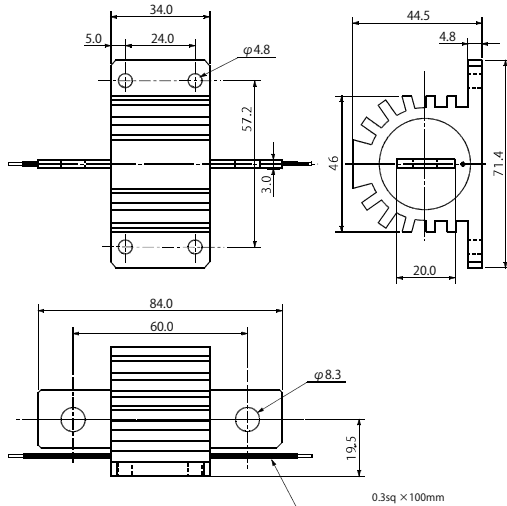
Type	Load Capacity (W) ※1	Standard Resistance (Ω)	Tolerance (%)	Temp.Coefficient ※3	Internal Heat Resistance
RH12BL-S / RH12BL-T	12	0.5m	±0.1(B) ±1(F) ±0.5(D) ±5(J)	±50ppm/°C	8.1°C/W
RH15BL-S / RH15BL-T	15	0.2m			3.6°C/W
RH30BL-S / RH30BL-T	30	0.1m	±0.25(C) ±1(F) ±0.5(D) ±5(J)	±100ppm/°C	3.5°C/W
RH32BL-S / RH32BL-T	32	50 μ			2.6°C/W
RH35BL-S / RH35BL-T	35	35 μ			2.5°C/W



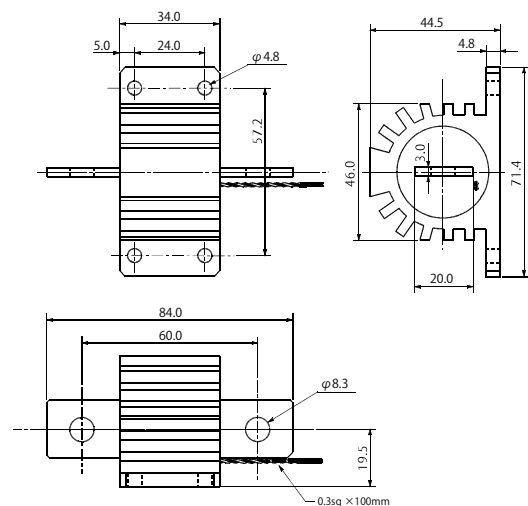
Operating Temp. -50°C~+135°C Weight : 186g

- ※1 Refer to the power derating curve. Proper measures for heat radiation should be taken.
- ※2 Available on request as custom part : ±0.2% (RH32BL/RH35BL)
- ※3 Standard Temp. : 25°C Test Temp. : 0°C, 60°C

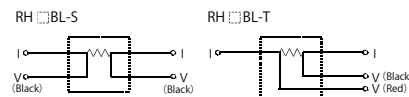
Dimensions RH BL-S



Dimensions RH BL-T



Internal circuit of 4 terminal resistors

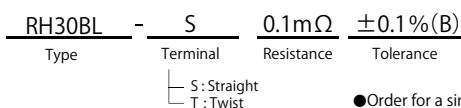


Performance

Parameters	Test Condition	Specification
Short Time Over Load	2×Wattage Rating 5sec	±0.2%
Insulation Resistance	DC500V	1000 MΩMIN
Dielectric Strength	AC2000V 1min.	±0.1%
High Temperature Exposure	Temp.+85°C 1000Hr (Moisture 85%)	±0.2%
Load Life	Load Rating 1.5Hr ON 0.5Hr OFF Repeat 2000Hr	±1%

Frequency Characteristics: Referred Inductance 20nH

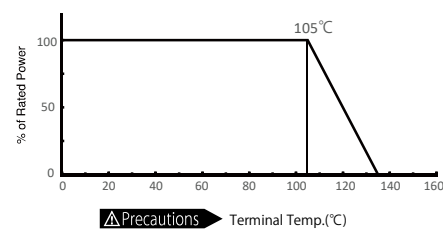
How to order



Standard Resistance (Stock)

RH30BL-S	0.1mΩB (±0.1%)	RH30BL-T	0.1mΩB (±0.1%)
RH15BL-S	0.2mΩB (±0.1%)	RH15BL-T	0.2mΩB (±0.1%)
RH12BL-S	0.5mΩB (±0.1%)	RH12BL-T	0.5mΩB (±0.1%)

Power Derating Curve



Precautions Terminal Temp.(°C)

Surface Temp vs Load Factor (on chassis)

