

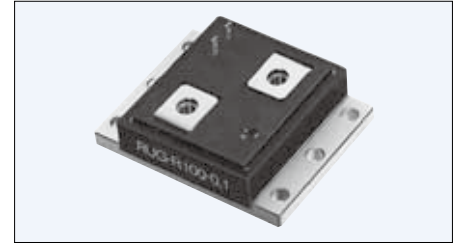
**ISA-PLAN PRECISION POWER SHUNT RESISTOR**

**RUG-Z**

**Features**

High-precision metal foil current detection resistor with outstanding temperature characteristics and high load capability.

Load Capacity (permanent)	250W*1 (on heat sink)
Single Pulse Power load (R<10mΩ)	50J (tp<10ms)
Max.Current(Permanent)	200A (Pulse 500A*2)
Standard Resistance	1m, 10m, 100m
Tolerance	±0.1%
Temp. Coefficient (20~60°C)	±1ppm/°C
Operating Temp.	-55°C~+110°C
Thermal EMF (0~100°C)	-1μV/°C MAX
Thermal Resistance to Copper Base Plate	0.1°C/W
Dielectric Withstanding Voltage	AC500V 1min.
Insulation Resistance	10GΩ MIN
Load Life	±0.2% (2000Hr)
Inductance (R<10mΩ)	<10nH



Weight : 260g

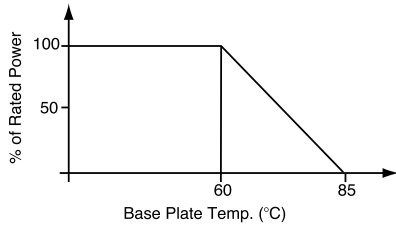
The real is marked with laser.(picture: ink print)

\*1 Restriction on Temp. of Resistance Element : +125°C MAX **⚠ Precautions**

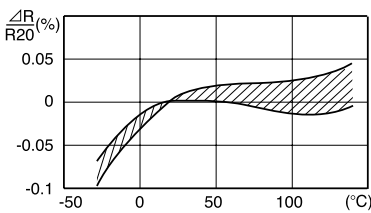
With regard to an equation to select an appropriate chassis, please contact our sales representatives or distributors.

\*2 Average power : < 250W

**Ambient Temp. Derating Curve**



**Resistance change versus Temp.**



**How to order**

**RUG-Z**    **1mΩ**    **±0.1%**    **±1ppm/°C**  
 Type    Resistance    Tolerance    Temp.Coefficient

● Order for a single piece accepted

**Standard Resistance (Stock)**

- RUG-Z    1mΩ ±0.1%    T.C. ±1ppm/°C
- RUG-Z    10mΩ ±0.1%    T.C. ±1ppm/°C
- RUG-Z    100mΩ ±0.1%    T.C. ±1ppm/°C

**Dimensions (mm)**

