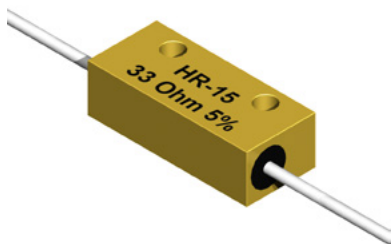
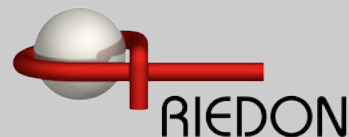


HR Series

Aluminum Housed Power Resistors



- Resistances from 0.01 to 22K Ohms
- Power Rating 5 to 15 Watts
- Resistance Tolerances to $\pm 0.05\%$
- Low TCR: ± 20 ppm/ $^{\circ}\text{C}$ Standard
- Non-Inductive Windings Available
- Integrated 18AWG Leads

SPECIFICATIONS

Type	Power Rating (W @ 25°C)		Resistance Range ²
	On Heatsink ¹	Free Air	
HR-10	10	5.0	0.01 to 12.5K
HR-15	15	7.5	0.01 to 22K

¹ Mounted on 6.0 x 6.0 x 0.05 [152 x 152 x 1.2] Aluminum Plate or Equivalent
² For Non-Inductive Winding, Divide Maximum Resistance by 2

Specification	Value
Tolerances	$\pm 0.05\%$ to $\pm 10\%$ (1% Standard)
Temperature Coefficient*	>10 Ω : ± 20 ppm/ $^{\circ}\text{C}$ 1 Ω to 10 Ω : ± 50 ppm/ $^{\circ}\text{C}$ *TCR is for Resistance Element Only, Copper Leads have TCR of +3900ppm/ $^{\circ}\text{C}$ <1 Ω : Call Factory
Temperature Range	-55 $^{\circ}\text{C}$ to +250 $^{\circ}\text{C}$
Dielectric Strength	1000 VAC
Environmental Performance (MIL-STD 202)	ΔR
Dielectric	$\pm 0.2\% + 0.05\Omega$
Load Life	$\pm 1\% + 0.05\Omega$
Storage	$\pm 0.2\% + 0.05\Omega$
Moisture Resistance	$\pm 0.2\% + 0.05\Omega$
Thermal Shock	$\pm 0.2\% + 0.05\Omega$
5X Overload (5s)	$\pm 0.2\% + 0.05\Omega$
Shock	$\pm 0.1\% + 0.05\Omega$
Vibration	$\pm 0.1\% + 0.05\Omega$

Ordering Information:

Part Description: Part Type - Resistance - Tolerance - TCR (If not standard)

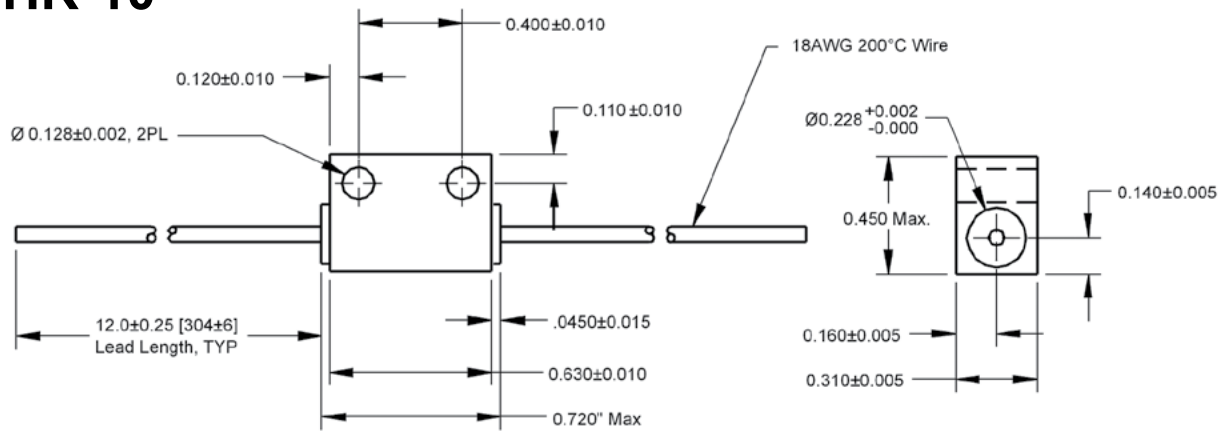
Example: **HR-15 100 Ohm 5%**

For Non-Inductive Windings, insert the letter "N" (i.e. HRN-10)

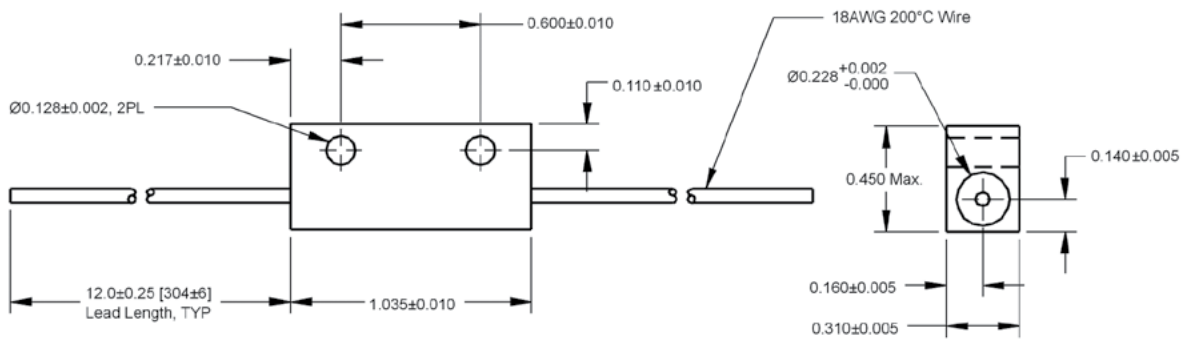


DIMENSIONS

HR-10



HR-15



Power Derating Curve

