

# HLD Series — High Current Shunt / Sensing Resistor

## Features

- Values from 0.001Ω to 0.1Ω
- Suitable for high current applications where standard current sense resistors will not survive
- Part size will vary according to value and wattage chosen
- Current handling to 100amps
- Various wire alloys and sizes allow for value, tolerance, and TC flexibility
- 1W to 5W of power



## Electrical Information On Various Wire Types

Temperature Coefficient		Resistivity Ohms / CMF	Thermal EMF*
-55°C to 25°C	25°C to 125°C		
5 ± 10 **	5 ± 10	800	2.5
0 ± 20 **	0 ± 20	300	-45
80 ± 20	80 ± 20	650	6.0
140 ± 30	140 ± 30	675	2.0
180 ± 30	180 ± 30	180	-37
400 ± 40	380 ± 40	610	2.0
450 ± 50	450 ± 50	90	-26
700 ± 200	700 ± 200	60	-22
850 ± 80	850 ± 80	470	-3.0
1,000 ± 100	1,000 ± 100	420	-22
1,400 ± 300	1,400 ± 300	30	-14
1,500 ± 200	1,400 ± 200	500	9.0
2,600 ± 200	2,600 ± 200	420	-27
3,500 ± 300	3,500 ± 300	294	-35
3,700 ± 300	3,900 ± 300	10	Ref
3,700 ± 300	4,300 ± 300	120	-40
4,000 ± 500	5,000 ± 500	60	-22
5,000 ± 300	6,000 ± 300	42	-22

\* Thermal EMF  $\mu\text{V}/^\circ\text{C}$  referenced to copper at 0°C.

\*\* Preferred Temperature Coefficient wire is readily available for most resistive ranges. The other alloys may require longer delivery times and higher minimum quantities, contact factory.

## How to Order

