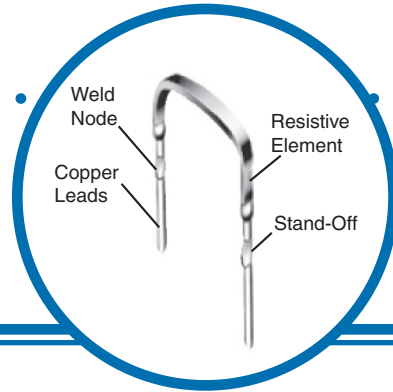


Open Air Sense Resistors

OAR-TP Series

- 1, 3, & 5 watts
- Resistance wire TCR $\pm 20\text{ppm}/^\circ\text{C}$
- $\pm 1\%$ or $\pm 5\%$ tolerance (2% below 5mOhm)
- Lead Free RoHS compliant construction available
- Contact factory for height specifications, application notes and resistance values below 0.0025 ohms



Electrical Data

IRC Type	Power Rating (watts)	Available Resistance (ohms)
OAR-1TP	1W @ 85°C	0.003 ohms to 0.10 ohms
OAR-3TP	3W @ 85°C	0.0025 ohms to 0.10 ohms

Physical Data

On lower ranges stand-off may be eliminated.

NOTE:
Contact factory for:
1. Variations of "A" dimension.
2. Different lead diameter.

Test Point (Kelvin connection)

Dimensions (Inches and (mm))

IRC Type	Resistance (Ohms)	A	B	C	E	F
OAR-1TP	0.003 - 0.10	0.275 +0.040/-0.031 (7.0 +1.0/-0.8)	0.300 max (7.8)	0.125 \pm 0.100 (5.08 \pm 2.54)	0.065 +0.010/-0.005 (1.65 +0.25/-0.13)	0.040 \pm 0.002 (1.02 \pm 0.051)
OAR-3TP	<0.005	0.275 +0.040/-0.031 (7.0 +1.0/-0.8)	1.25 max (32)	0.125 \pm 0.100 (5.08 \pm 2.54)	0.065 +0.010/-0.005 (1.65 +0.25/-0.13)	0.040 \pm 0.002 (1.02 \pm 0.051)
	0.005 - 0.10	0.600 +0.040/-0.020 (15.24 +1.020/0.508)	1.25 max (32)	0.125 \pm 0.100 (5.08 \pm 2.54)	0.065 +0.010/-0.005 (1.65 +0.25/-0.13)	0.040 \pm 0.002 (1.02 \pm 0.051)

General Note

IRC reserves the right to make changes in product specification without notice or liability. All information is subject to IRC's own data and is considered accurate at time of going to print.

Open Air Sense Resistors



Features:

- Welded construction
- Flameproof
- Inductance less than 10 nanohenries

Operating Characteristics:

- Load life @ 25°C (1000 hrs): 1% max.
- Moisture no load (1000 hrs): 1% max.
- Temperature cycle @ -40°C & +125°C (1000 cyc): 1% max.

Applications:

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

Ordering Data

