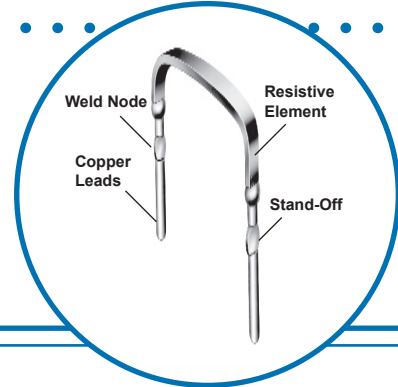


OAR-TP SERIES



OPEN AIR SENSE RESISTORS

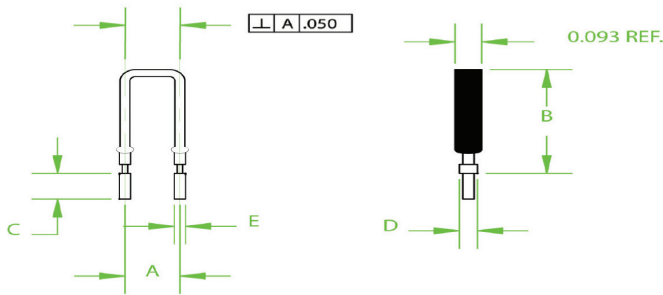
- 1, 3 & 5 watts
- $\pm 1\%$ or $\pm 5\%$ tolerance (2% below 5 mOhm)
- Resistance wire TCR ± 20 ppm/ $^{\circ}\text{C}$
- Contact factory for height specifications, application notes and resistance values below 0.0025 ohms.
- Lead Free ROHS compliant construction available



SPECIFICATIONS:

IRC Type	IRC 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

DIMENSIONS (Inches and (mm)):



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)

IRC Type	Resistance (Ohms)	A	B	C	E	F
OAR-1TP	0.003 - 0.10	0.275 +0.040/-0.031 (7.0 mm +1.0/-0.8)	0.300 max (7.8 mm)	0.125 \pm 0.100 (5.08 mm \pm 2.54)	0.065 +0.010/-0.005 (1.65mm +0.25/-0.13)	0.040 \pm 0.002 (1.02mm \pm 0.051)
OAR-3TP	<0.005	0.275 +0.040/-0.031 (7.0 mm +1.0/-0.8)	1.25 max (32 mm)	0.125 \pm 0.100 (5.08 mm \pm 2.54)	0.065 +0.010/-0.005 (1.65mm +0.25/-0.13)	0.040 \pm 0.002 (1.02mm \pm 0.051)
	0.005 - 0.10	0.197 +0.040/-0.031 (5.0 mm +1.0/-0.8)	1.25 max (32 mm)	0.125 \pm 0.100 (5.08 mm \pm 2.54)	0.065 +0.010/-0.005 (1.65mm +0.25/-0.13)	0.040 \pm 0.002 (1.02mm \pm 0.051)

FEATURES:

- Welded Construction
- Flameproof
- Inductance less than 10 nanohenries

APPLICATIONS:

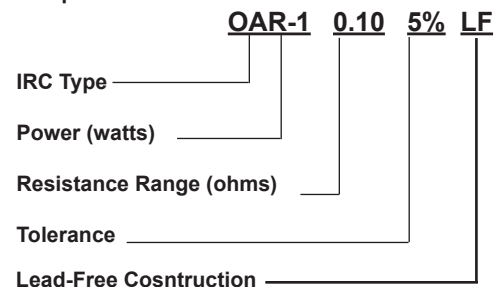
- Current Sensing
- Feedback
- Low inductance
- Surge and pulse

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.

HOW TO ORDER:

Sample Part No.:



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.

WIREWOUND AND FILM TECHNOLOGIES DIVISION

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