Waveguide Isolator, 21.2-23.6GHz, WR42, 90°

0.5 Watts Reverse Power

Specifications:

- **Frequency**: 21.2-23.6 GHz
- **Insertion loss**: 0.3 dB maximum
- **Isolation**: 18 dB minimum
- **Return loss**: 20 dB minimum
- **Rated power options**: 0.5 cw Watt minimum
- **Waveguide interface type**: WR42
- **Operating temperature**: -30 to +80 °C

Packaging:

- Must withstand shipment by common carrier. Items must stay unchanged when shipped.
- All units must be marked as shown above, with dash number, -003
- An Arrow should be included to show direction (AS SHOWN)

Order Examples: RADI-21.2-23.6-WR42-0.5WR-1-b

| Direction of RF: | R Default | L |

Hole Options-X:

1. 8 off 4-40 UNC 2B 0.17"(4.32) deep
2. 4 Thru holes 0.116/.110 dia., +/-0.01
3. 8 off M3 x 5-6H (5 pitch,6H thread class)x0.280"(7.1) deep
4. 4 x M3 0.5-6H, tapped thru

Alodyned Aluminum or brass-Silver plated (7μm thick)
Screws on termination are captivated with epoxy or equivalent
All waveguide surfaces are: 0.051 (0.002)

Tolerance Table Metric (inch)
(unless otherwise stated):
- Hole diameter +/- 0.1 mm, (+/- 0.004”)
- Dimensions (w*h) +/- 0.3 mm, (+/- 0.015”)
- Waveguide Slot Position, +/- 0.1 mm, (+/-0.04”)
- Dimensions (hole position) +/- 0.1 mm, (+/-0.04”)

Machined surfaces
Flatness 0.025/mm, (0.001/ inch)
Bend radius 0.8 mm, (0.031 or 1/32")

Specifications may be subject to change 06/20/12