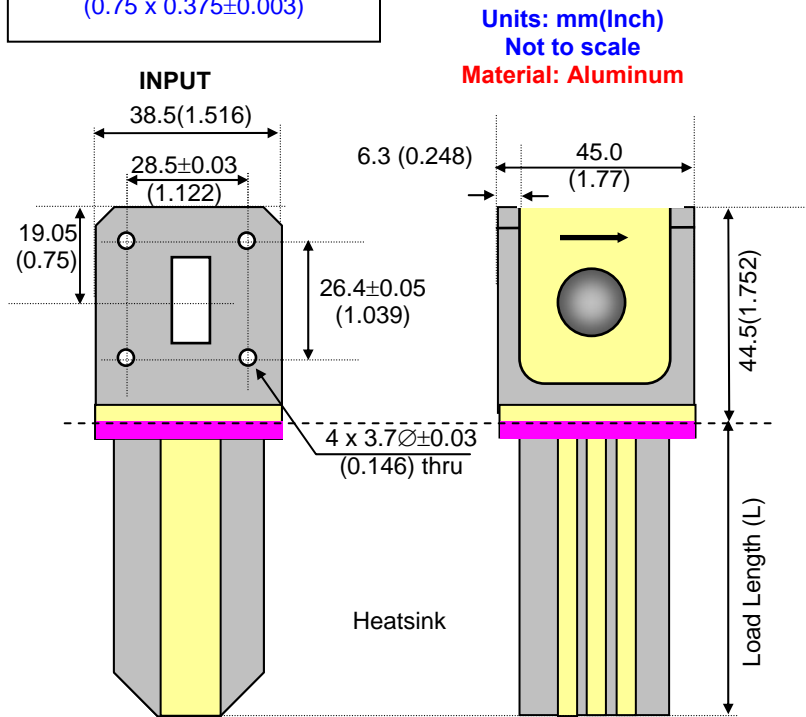


Isolator, Waveguide WR75, 10-15GHz, Full or Part Bandwidth 1-50 Watts

WR75
CPR Flange
19.05±0.075 x 9.525±0.075 mm
(0.75 x 0.375±0.003)

LOAD LENGTH (L)

| Reverse Power | Length | |
|---------------|--------|-------|
| | mm | inch |
| 1W | 31.75 | 1.50 |
| 5W | 31.75 | 1.50 |
| 8W | 31.75 | 1.50 |
| 15W | 60 | 2.362 |
| 20W | 60.5 | 2.68 |
| 25W | 60.5 | 2.68 |
| 40W | 60.5 | 2.68 |
| 50 W | 100 | 3.94 |



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)x 0.280"(7.1) deep
- 4 4 x M3 0.5-6H tapped
thru

| Direction of RF: | |
|------------------|-----------|
| R | Default ▶ |
| L | ◀ |

Order Examples: **RADI-10-15-WR75-25WR-1-b**

| Specifications | 5% BW | Full | Full | Full | Full | Units |
|-----------------------|-------------|--------------------------|--------------------------|------------|-------------|------------|
| Frequency | 10-15 | 10-15 | 10-15 | 10.7-11.5 | 10.70-12.75 | GHz |
| Room / Over Temp | | RT / OT | RT / OT | | | |
| Insertion loss | 0.2 | 0.3 / 0.4 | 0.3 / 0.5 | 0.3 | 0.25 | dB maximum |
| Isolation | 20 | 23 / 20 | 20/18 | 20 | 20 | dB minimum |
| VSWR | 1.20 | 1.15 / 1.25 | 1.25 / 1.30 | 1:22 | 1.22 | :1 |
| Reverse Power | 1, 20, 40 | 25 | 5 | 1 | 1 | Watts |
| Operating temperature | -40 to +85 | 20 to 25 / -10 to +70 | 20 to 25 / -10 to +70 | -30 to +70 | -30 to +70 | °C |
| Storage temperature | -50 to +105 | -50 to +105 | -50 to +105 | 50 to +105 | 50 to +105 | °C |
| Humidity | to 95% | to 95% | to 95% | to 95% | to 95% | Condensing |
| Size | | | 45x90x38 | | | mm |

Isolator, Waveguide WR75, 10-15GHz, Full or Part Bandwidth 1-50 Watts

| Specifications | Full | Full | Full | Full | | Units |
|-----------------------|------------------|------------------|-----------------------|-------------|-------------|------------|
| Frequency | 10-13 | 10-13 | 10-13 | 10.70-12.75 | 10.95-12.75 | GHz |
| Room / Over Temp | RT / OT | RT / OT | RT / OT | RT/OT | | |
| Insertion loss | 0.25 / 0.40 | 0.25 / 0.40 | 0.3 / 0.4 | 0.3/0.35 | 0.25 | dB maximum |
| Isolation | 20 / 18/ | 20 / 18/ | 23 / 20 | 20/19 | 20 | dB minimum |
| VSWR | 1.25 / 1.30 | 1.25 / 1.30 | 1.15 / 1.25 | 1.20/1.25 | 1.22 | :1 |
| Reverse Power | 1 | 10 | 40 | 15 | 1 | Watts |
| Forward Power | 1 | | 2 | 300 | | Watts |
| Operating temperature | room /-30 to +70 | room /-30 to +70 | 20 to 25 / -10 to +70 | -10 to +50 | -30 to +70 | °C |
| Storage temperature | -50 to +105 | -50 to +105 | -50 to +105 | | 50 to +105 | °C |
| Humidity | to 95% | to 95% | to 95% | | to 95% | Condensing |
| Size | 45x85x38.5 | 45x105x38.5 | | 45x110x38.3 | | mm |

| Specifications | Full | Full | Full | Full | | Units |
|-----------------------|-----------------------|-------------|------------|------------|--|------------|
| Frequency | 13.75-14.50 | 13.75-14.70 | 14.0-14.5 | 14.0-15.0 | | GHz |
| Room / Over Temp | RT / OT | | | | | |
| Insertion loss | 0.3 / 0.4 | 0.3 | 0.3 | 0.3 | | dB maximum |
| Isolation | 23 / 20 | 19 | 20 | 20 | | dB minimum |
| VSWR | 1.15 / 1.25 | 1.20:1 | 1.15:1 | 1:25 | | :1 |
| Reverse Power | 40 | | 1 | 1 | | Watts |
| Forward Power (Peak) | 2 | | | | | Watts |
| Operating temperature | 20 to 25 / -10 to +70 | -30 to +70 | -30 to +70 | -30 to +70 | | °C |
| Storage temperature | -50 to +105 | 50 to +105 | 50 to +105 | 50 to +105 | | °C |
| Humidity | to 95% | to 95% | to 95% | to 95% | | Condensing |
| Size | | | | | | mm |