

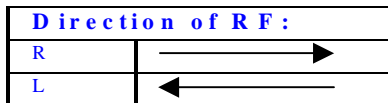
RADITEK INC.

Isolator / Circulator 3.4 to 15 GHz dd2

RADI/C-3.4-15G (1G bw max) –dd2-NX/SX/TX-20W/10W/1W/0.25WR

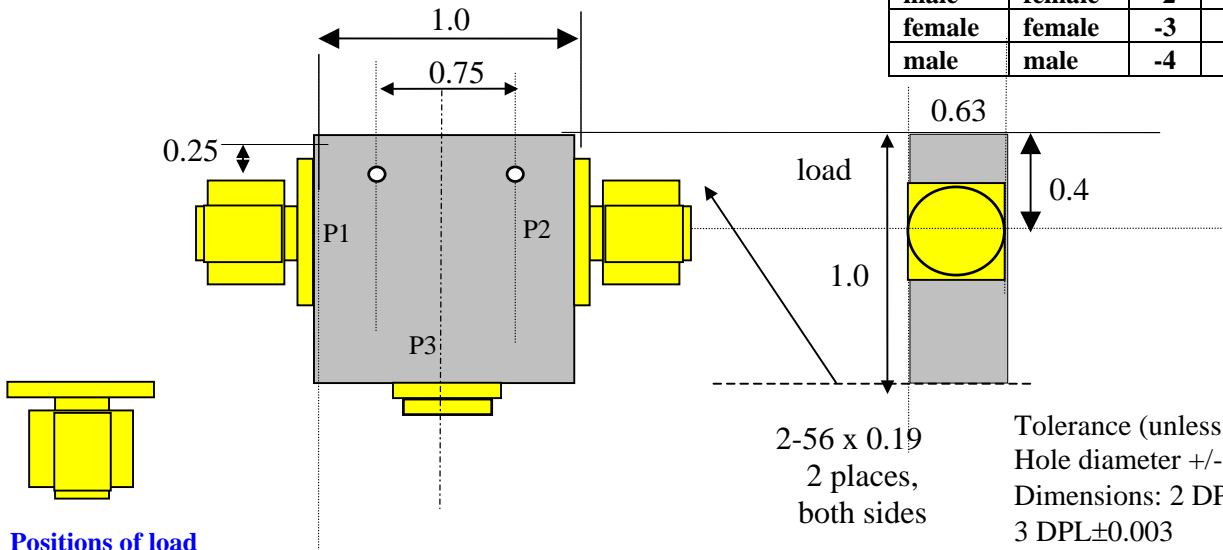
Std Frequencies: 3.4-4.2GHz / 5G: 4.4-5.0GHz / 6G: 5.9-6.4GHz
 7G: 6.4-7.1GHz, 7.5G: 7.1-7.7GHz, 8G: 7.7-8.3GHz, 8.2-8.5GHz, 11G: 10.7-11.7GHz
 (11G-1: 10.6-11.1GHz, 11G-2: 10.2-11.7GHz); 14.5-15.5GHz

| Specifications: | 3.4 to 15GHz 1 GHz maximum bandwidth | 3.7-4.2// 5.85- 6.425 | 3.6-3.9 // 3.4-4.2GHz | **4.4- 5.0GHz | |
|---------------------|--|--------------------------|--------------------------|------------------|-----------------|
| Insertion loss | 0.5 | 0.3 | 0.4 | 0.3 | dB (maximum) |
| Isolation | 18 | 24 | 20 | 20 | dB (minimum) |
| Return loss | 19 (1.25:1) | 1.20 | 19 (1.25:1) | 1.20 | dB (minimum) |
| Rated power Forward | 35 | 35 | 35 | 35 | Watts (average) |
| Rated power Reverse | 20,10,0.25W | 1 | 20,10,0.25W | 1 | Watts (average) |
| Operating temp. | -30 to 75 | -30 to 75 | -30 to 75 | -30 to 75 | °C |



Unit: Inches
 Not to scale

| SMA/TNC/Nf Connector options (X) | | | | |
|----------------------------------|--------|-----|------------------|--------------------|
| Port 1 | Port 2 | Iso | circ Port 3 male | circ Port 3 female |
| female | male | -1 | -11 | -21 |
| male | female | -2 | -12 | -22 |
| female | female | -3 | -13 | -23 |
| male | male | -4 | -14 | -24 |



Positions of load and connectors is interchangeable

Use I/C 3.4-12GHz ff1 if N Male Connectors

Use I/C 3.4-12GHz dd2 if SMA Female, SMA Male, or N Female Connectors

**4.4-5.0GHz size dimensions are 35 x 35 x 12

2-56 x 0.19
 2 places,
 both sides

Tolerance (unless otherwise stated):
 Hole diameter +/- 0.004
 Dimensions: 2 DPL±0.01
 3 DPL±0.003
 Machined surfaces: Flatness
 0.001/inch
 Bend radius 1/32 inch

RADI-3.4-15G (1G max bw)-dd2-Sx-20/10/1W/0.25W code b Specifications may be subject to change 10-15-04

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