Isolator / Circulator 3.3 to 15 GHz dd2

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

(for 30W version, see page 2)

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

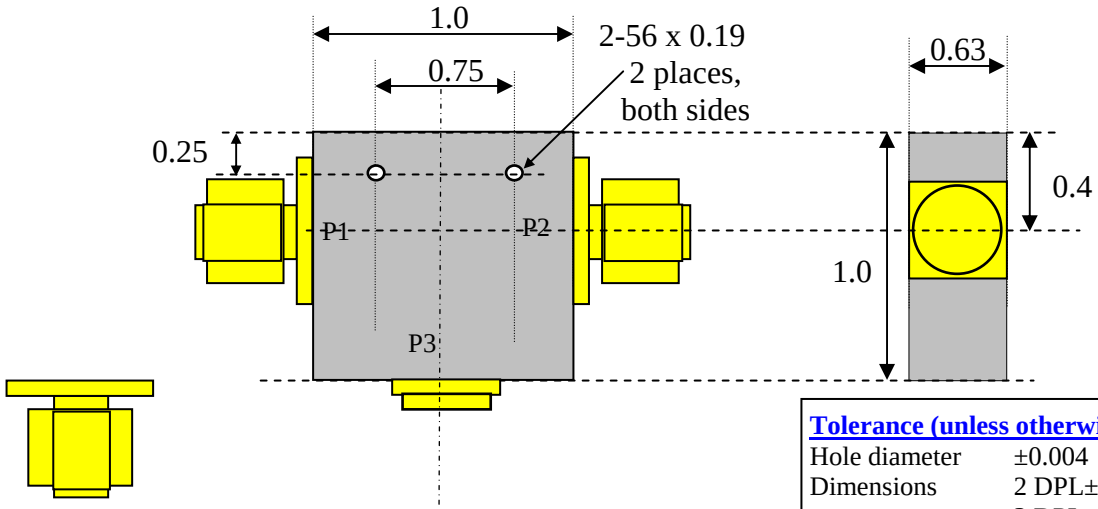
Specifications:	3.4 to 15 1 GHz maximum bandwidth	3.625-4.2	3.7-4.2// 5.85-6.425	3.6-3.9 // 3.4-4.2	**4.4-5.0	GHz
Insertion loss	0.5	0.3	0.3	0.4	0.3	dB (maximum)
Isolation	18	23	24	20	20	dB (minimum)
VSWR	1.25	1.20	1.20	1.25	1.20	dB (minimum)
Rated power Forward	35	35	35	35	35	Watts (average)
Rated power Reverse	0.25, 1, 2, 10, 20	1	1	0.25, 1, 2, 10, 20	1	Watts (average)
Operating temp.	-30 to 75	-30 to 75	-30 to 75	-30 to 75	-30 to 75	°C

Direction of RF:	
R	Default →
L	←

Units: Inches
Not to scale

Order Examples: RADI-F1-F2-dd2-SX-1WR

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



Tolerance (unless otherwise stated):

Hole diameter	±0.004
Dimensions	2 DPL±0.01
	3 DPL±0.003
Machined surfaces	63√
Flatness	±0.001/inch
Bend radius	1/32 inch

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 dimesions are 35 x 35 x 12**

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ROHS Compliant

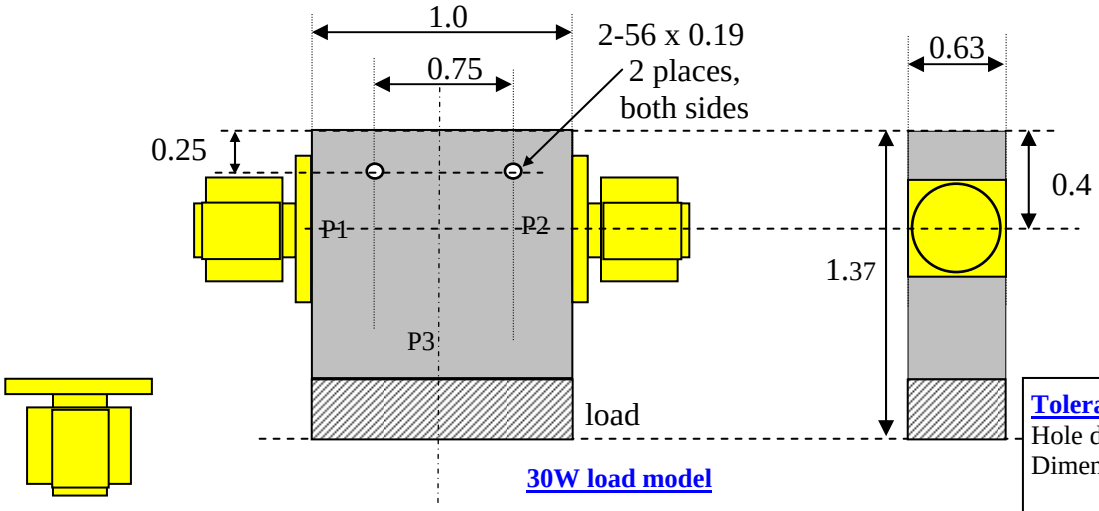
RADITEK INC.

code-b

Isolator / Circulator 3.3 to 15 GHz dd2

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

Specifications: Frequency GHz	Insertion loss dB (max)	Isolation dB (min)	VSWR :1	Power Fwd Watts	Power Rev Watts	Op.Temp °C	
3.0.3.6	0.5	18	1.29	50	1	0 to +70	
3.65-3.75	0.3	25	1.15	25	25	-10 to +50	
4.0-4.4	0.5	23	1.25	1	1	-20 to +70	
4.4-5.9	0.4	20	1.25	10	10	-30 to +75	
4.9-5.1	0.3	25	1.15	25	25	-10 to +50	
5.1-5.6	0.4	20	1.25	10	10	-10 to +70	
5.4-5.9	0.4	20	1.25	1	1, 10	-10 to +70	
7.25-7.75	0.5	20	1.25	1	1	-10 to +50	
7.9-8.4	0.4	20	1.20	20	2	-10 to +50	
9.0-10.4	0.5	20	1.25	20	2	-10 to +50	
9.5-11.0	0.5	20	1.25	20	2	-10 to +50	
13.5-14.5	0.5	20	1.25	20	2	-10 to +50	



30W load model

Positions of load and connectors is interchangeable

Tolerance (unless otherwise stated):

Hole diameter	±0.004
Dimensions	2 DPL±0.01
	3 DPL±0.003
Machined surfaces	63√
Flatness	±0.001/inch
Bend radius	1/32 inch

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