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TECHNOLOGY GROUP

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RADITEK INC.

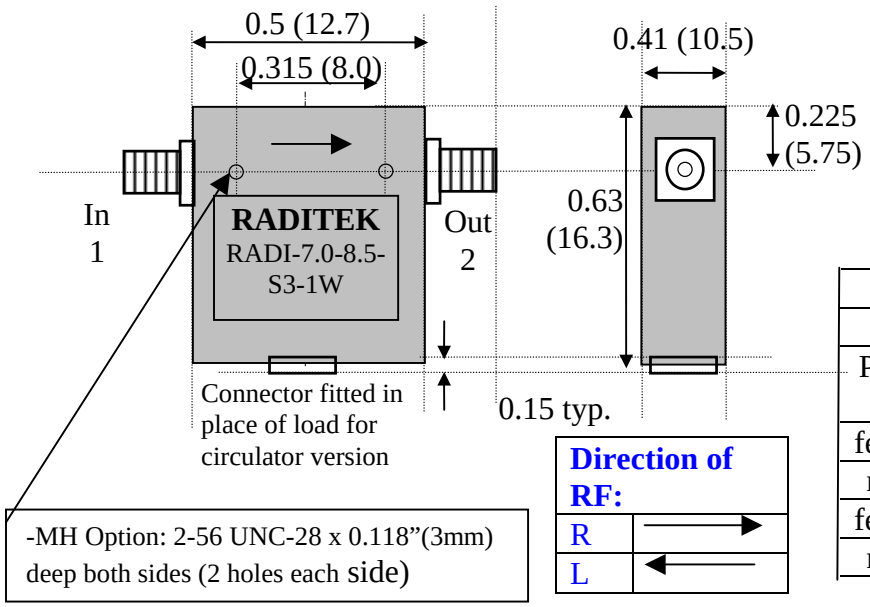
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Isolator/ Circulator, Coaxial, 180°, 5.8-26 GHz

(10% Bandwidth is standard, >10% special)

RADI-F low to F high-bb1-SX-1W-Direction-OPT

RADI (Isolator), RADC (Circulator) Options:10W Reverse power (load bigger)



Tolerance:
Hole diameter: ±0.004
Dimensions: ±0.015
Machined surfaces: $^{63}\surd$
Flatness: 0.001/inch
Bend radius $^{1}/_{32}$ inch

SMA/3.5 Connector options (X)				
	Isolator		Circ.	Circ.
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

Units: Inches (mm). Circulator port 3 replaces load, see table for gender

Specifications:						
Frequency	**5.8-16**		**16-19**		**19-26**	**GHz**
Bandwidth	**10%**	**20%**	**10%**	**20%**	**10%**	
Insertion loss	**0.4**	**0.6**	**0.5**	**0.8**	**0.6**	**dB (maximum)**
Isolation	**20**	**17**	**20**	**16**	**20**	**dB (minimum)**
VSWR	**1.20:1**	**1.35:1**	**1.25:1**	**1.40:1**	**1.30:1**	**Maximum**
Rated power (forward)	**10**	**10**	**10**	**10**	**10**	**Watts (average)**
Rated power (reverse)	**1 - 2**	**1 - 2**	**1**	**1**	**1**	**Watts (average)**
Peak power (10 micro sec)	**50**	**50**	**50**	**50**	**50**	**Watts (peak)**
Temperature:						
Operating	**-30 to 70**	**-30 to 70**	**-30 to 70**	**-30 to 70**	**-30 to 85**	**°C**
Non operating	**-42 to 85**	**-42 to 85**	**-42 to 85**	**-42 to 85**	**-42 to 85**	**°C**
Finish	**Bright Nickel plated finish.**					

WORLD HQ: 1702H Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.
Telephone: (408) 266-7404 FAX: (408) 266-4483
WEB: www.raditek.com, E-mail: sales@raditek.com

Specifications:						
Frequency	5.8-16		16-19		15-18	GHz
Bandwidth	10%	20%	10%	20%	20%	
Insertion loss	0.5	0.7	0.6	1.0	0.6	dB (maximum)
Isolation	19	16	19	15	18	dB (minimum)
VSWR	1.25:1	1.40:1	1.30:1	1.45	1.3	Maximum
Rated power (forward)	10	10	10	10	10	Watts (average)
Rated power (reverse)	1	1	1	1	1	Watts (average)
Peak power, (10 micro sec)	50	50	50	50	50	Watts (peak)
Temperature: Operating	-40 to 95	-40 to 95	-40 to 95	-40 to 95	-40 to 95	

Frequency	14-18	19.7-21.7	13.75-14.0	14.0-14.5	9.0-9.6	GHz
Bandwidth	Full	Full	Full	Full	Full	
Insertion loss	0.6	0.5	0.5	0.3	0.4	dB
Isolation	18	20	20	20	20	dB
VSWR	1.35	1.2	1.2	1.20	1.25	Max
Rated power	10	10	10	10	10	Watt
Rated power (reverse)	1	1	1	1 - 2	1	Watt
Peak power, (10 micro	50	50	50	50	50	Watt
Temperature: Operating	-30 to +70	-30 to +70	-30 to +70	-30 to +70	-54 to	

Frequency	18-22	20.0-26.5	GHz
Bandwidth	Full	Full	
Insertion loss	0.5	1.0	dB
Isolation	20	16	dB
VSWR	1.22	1.45	Maximum
Rated power (reverse)	1	10	Watts
Peak power, (10 micro	50	1	Watts
Temperature: Operating	-30 to +70	50	
		-54 to +95	

Typical units

RADI-6.4-7.2-bb1-S3-1WL	RADI-6.8-7.5-bb1-S1-10WR	RADI-6.8-8.5-bb1-S3-1WR
RADI-7.0-8.5-bb1-S2-1WR	RADC-12.7-13.5-bb1-S23-1WR	RADI-14.2-15.5-bb1-S2-1WR
RADI-5.8-7.0-bb1-S1-1WR	RADI-12.7-15.35-bb1-S3-1WR	RADI-19.7-21.2-bb1-S1-1WR

Special Options

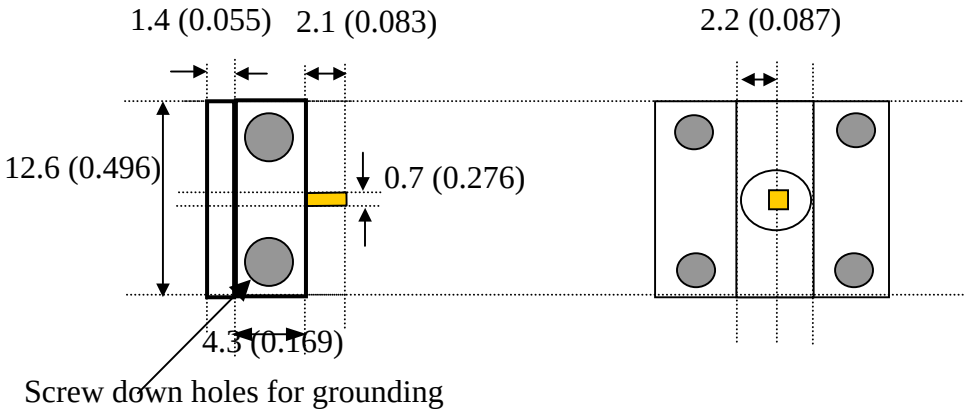
Special Units	Specification
RADI-12.7-15.4GHz-BB1-1W	0.4/20/1.2
RADI-17.7-19.7GHz-BB1-1W	0.5/20/1.2
RADI-21.2-23.6GHz-BB1-1W	0.5/20/1.2

Key	Frequency Range	Std
B	5.8-26GHz	1W

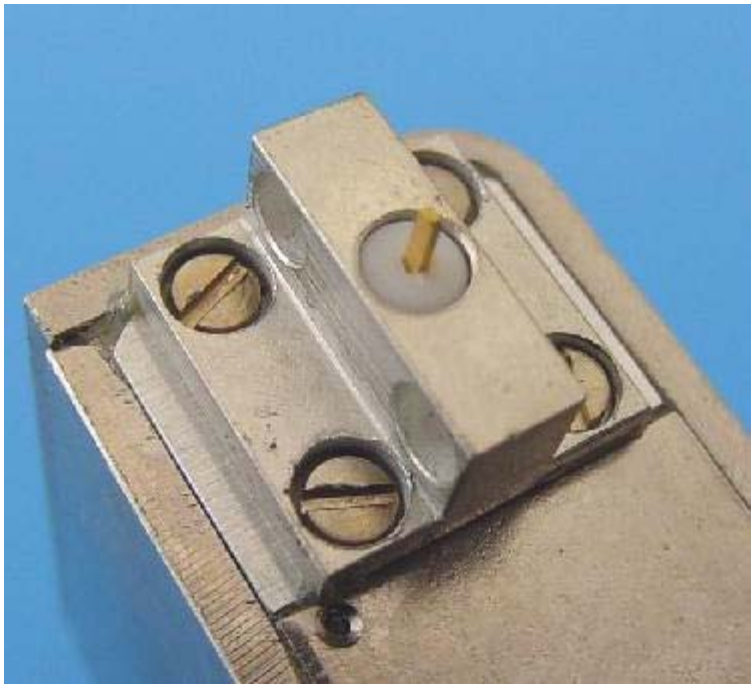
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C	5.0-20GHz	10W

Frequency Range	Spec	If Dimensions different
7.25-8.4-bb1-S2-0.5W	0.8/20/1.25	
8.5-10.5-S2-1W	0.4/20/1.25	22 x 25.54 x 16mm



Alternative connector option (B4), so unit can be used as a "drop in." Note the screw down holes must clamp the grounding surfaces together.



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