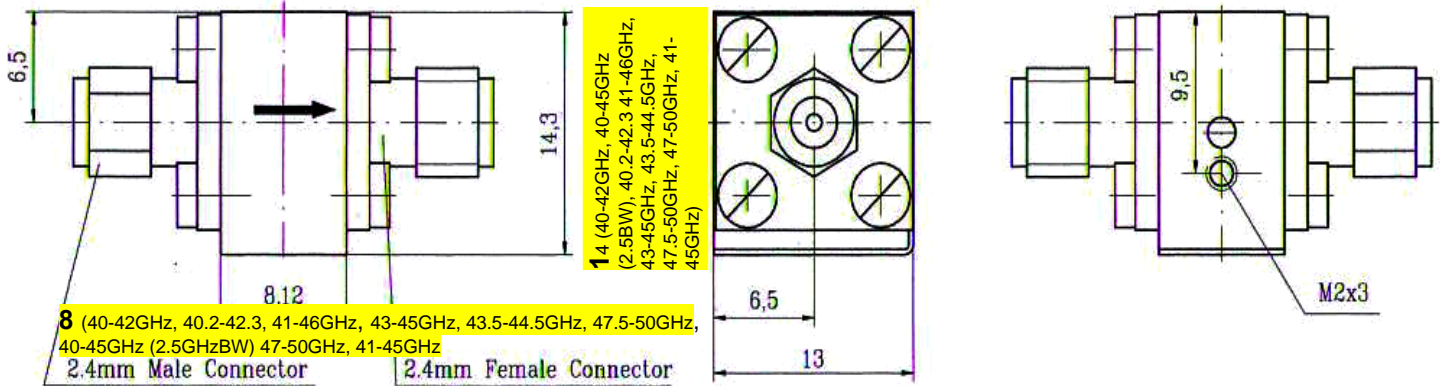
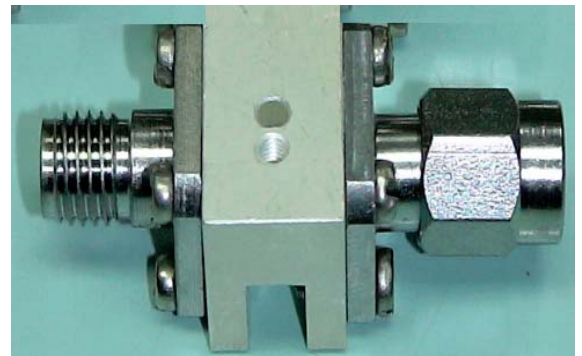


Coaxial Isolator, 36.6-50 GHz, 5% Bandwidth Typical 2.4mm Connector, 1, 2 or 5 Watts, M1 Model



Units: mm
Not to scale

Tolerance Table Metric (inch)
(unless otherwise stated):
Hole diameter +/- 0.1mm, (+/- 0.004")
Dimensions (w*h) +/- 0.3 mm, (+/- 0.015")
Dimensions (Coax Connector position) +/- 0.3mm, (+/- 0.012")
Dimensions (Microstrip pad, Stripline Tab, Waveguide Slot Position, +/- 0.1mm, (+/- 0.04")
Dimensions (hole position) +/- 0.1mm, (+/- 0.04")
Machined surfaces
Flatness 0.025/mm, (0.001/ inch)
Bend radius 0.8mm. (0.031" or 1/32")



Direction of RF:	
R	Default ▶
L	◀

Order Examples: **RADI-40.2-42.3-2.4-2-0.5WR-M1-b**
I=ISOLATOR

2.4 Connector options (X)		
Isolator		
Port 1	Port 2	
Female	Male	-1
Male	Female	-2
Female	Female	-3
Male	Male	-4

Specifications:

* Denotes Special: >5% Bandwidth

Specifications Frequency GHz	Bandwidth %	Insertion loss dB (max)	Isolation dB (min)	VSWR	Power Fwd Watts	Power Rev Watts	Temp °C	Connector	Size mm
36.6-38.4	4.8	1.6	20	1.40:1	1	1	-10 to +60	2.4	8.12x14.3x13
37-43	Full	1.6	16	1.45:1	1	1	-10 to +50	2.4	8.11x14.3x10.7
40-42	Full	1.5	20	1.40:1	1	1	-10 to +60	2.4, b	8.12x14.3x13
40-42 (3060)	Full	1.5	20	1.50:1	1	1	-30 to +60	2.4, b	8x14x13
40-42 (4070)	Full	1.6	19	1.55:1	1	1	-40 to +70	2.4, b	8x14x13

RADI-36.6-50-2.4x-1-2-or-5WR-M1-Family-b

Specifications may be subject to change

11/20/19

WORLD HQ: 1702L Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.

Tel: (408) 266-7404

FAX: (408) 266-4483

WEB: www.raditek.com

E-mail: sales@raditek.com

Coaxial Isolator, 36.6-50 GHz, 5% Bandwidth Typical 2.4mm Connector, 1, 2 or 5 Watts, M1 Model

Specifications Frequency GHz	Bandwidth %	Insertion loss dB (max)	Isolation dB (min)	VSWR	Power Fwd Watts	Power Rev Watts	Temp °C	Connector	Size mm
40.0-42.05	5	1.5	20	1.40:1	1	1	-10 to +60	2.4, b	8.12x14.3x13
40.0-42.05 (4080)	5	1.6	19	1.55:1	1	1	-40 to +80	2.4, b	8.12x14.3x13
40.0-42.3	5.59*	1.5	20	1.40:1	1	1	-10 to +60	2.4, b	8.12x14.3x13
40.0-42.5	6.1*	1.5	20	1.40:1	1	1	-10 to +60	2.4, b	8.12x14.3x13
40-43	7.23	1.6	20	1.45:1	1	1	-10 to +60	2.4, b	8.12x14.3x13
40.0-43.5	8.38	1.6	20	1.45:1	1	1	-30 to +60	b	8.12x14.3x13
40-44 (M#3070)	9.52	1.7	18	1.65:1	1	1	-30 to +70		8.12x14.3x13
40-44 (M#0050 std)	9.52*	1.2	20	1.35:1	1	1	0 to +50	b 3-15-10 rfq 18315	8.12x14.3x13
40-44	9.502	1.6	18	1.50:1	1	1	-10 to +60	2.4, b	8.12x14.3x13
40-45	5% max	1.3	20	1.45:1	2	2	-30 to +65	2.4	8.12x14.3x13
40-45	3GHz max	1.5	18	1.50:1	2	2	-30 to +65	2.4	8.12x14.3x13
40-45	2.5GHz BW	1.6	20	1.45:1	1	1		2.4, b	8x14x13 Approx. Wt.18g
40.2-42.3	5.09	1.6	20	1.45:1	0.5	0.5	-10 to +60	2.4, b	8x14x13
41-42	2.41	1.5	18	1.50:1	1	1	0 to +50	2.4, p	8.12x14.3x13
41-43	4.76	1.6	20	1.50:1	1	1	-10 to +50	2.4	8.12x14.3x13
41-44	7.06*	1.6	20	1.40:1	1	1	-10 to +70	2.4, b	8.12x14.3x13
41-45	9.3	1.6	18	1.55:1	1	1		2.4, b	8x14x13
41.0-45.2	9.74*	1.5	18	1.50:1	2	1	-30 to +65	2.4	8.12x14.3x13
41-46	11.4	1.9	20	1.50:1	1	1	-10 to +50	2.4, b	8x14x13
41.25-43.25	4.73	1.5	20	1.45:1	1	1	-10 to +60	2.4, b	
41.25-43.74	5.9*	1.6	20	1.40:1	2	1	-10 to +60	2.4, b	
41.5-42.5	2.38	1.5	18	1.50:1	1	1	0 to +50	p	
42-42.5	full	1.5	20	1.40:1	1	1	-10 to +60	2.4, b	
42-43	2.35	1.5	20	1.40:1	1	1	-10 to +60	2.4, b	
42-44	4.7	1.5	18	1.50:1	1	1	-30 to +70	2.4	
42.5-43.5	2.33	1.3	20	1.45:1	1	1	-30 to +70	2.4	
42.5-45.0	5.7*	1.3	20	1.45:1	2	1	-30 to +70	2.4	
0	full	1.5	19	1.55:1	1	1	-40 to +70	2.4	8x14x13
43-44	2.3	1.5	20	1.40:1	1	1	0 to +50	2.4	
43-45	4.55	1.6	19	1.50:1	1	1	-10 to +60	2.4	8x14x13
43-46	6.74	1.7	20	1.45:1	1	1	-10 to +60	2.4	
43.45-45.55	2.1	1.6	20	1.45:1	1	1	-10 to +60	2.4	

Coaxial Isolator, 36.6-50 GHz, 5% Bandwidth Typical 2.4mm Connector, 1, 2 or 5 Watts, M1 Model

Specifications Frequency GHz	Bandwidth %	Insertion loss dB (max)	Isolation dB (min)	VSWR	Power Fwd Watts	Power Rev Watts	Temp °C	Connector	Size mm
43.5-44.5	2.27	1.5 1.6	20 19	1.40:1 1.50:1	1	1	0 to +50 -30 to +70	2.4, b	8x14x13
43.5-45.5	4.49	1.6	20	1.40:1	1	1	-10 to +60	2.4	
43-46 @46GHz	6.7	1.9 2.2	23	1.50:1	2	1, 2	-30 to +65	b 5-17-10 SO 9260	
44-45	2.2	1.5	18	1.50:1	4	2	-30 to +70	2.4	
47-50	6.19	1.7 1.8	20 18	1.50:1 1.60:1	1	1	room -30 to +60	2.4	8x14x13
47-50 (4570)	6.19	1.8	18	1.66:1	1	1	room -45 to +70	2.4	8x14x13 Approx. Wt. 18g
47.0-51.5	full	1.6	16	1.50:1	1	1	-10 to +50	2.4	8.12x14.3x11