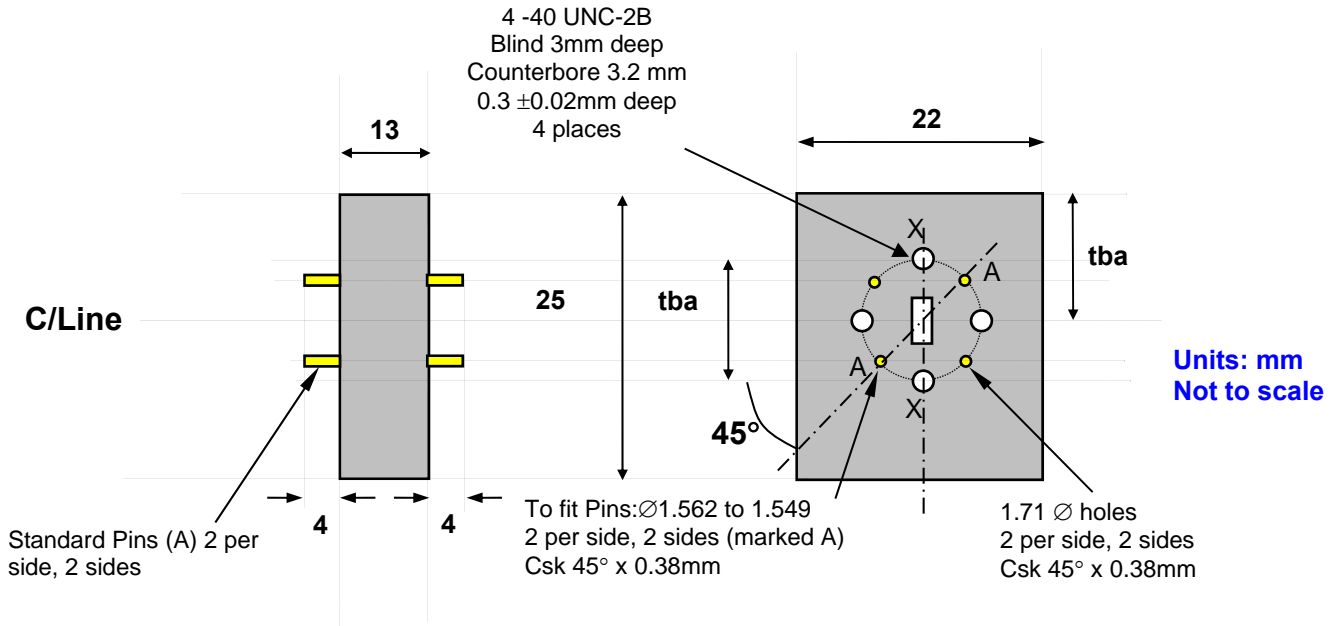


Waveguide Isolator, 60-90 GHz (4-5 GHz Bandwidth) WR12 Package, 0.5 Watt or 1 Watt



Direction of RF:	
R	Default ▶
L	◀

Tolerance: ± 0.2 unless otherwise stated.
Material: Silver plated brass.

Order Examples: **RADI-76-78-WR12-1WR**
I=ISOLATOR

Customer to specify the exact frequency needed at the time of order.

Specifications:									Unit
Frequency	60-90	64-66	71-73	73-76	71-76	71-76	71-76		GHz
Bandwidth	5%	2GHz	2GHz	3GHz	4GHz	5GHz	4GHz		
Insertion loss	0.5	0.4	0.6	0.6	0.4	0.5	0.4		dB (min)
Isolation	20	20	18	18	20	18	20	18	dB (max)
VSWR	1.25:1	1.25:1	1.30:1	1.30:1	1.25:1	1.30:1	1.25:1	1.30:1	
Waveguide	WR-12	WR-12	WR-12	WR-12	WR-12	WR-12	WR-12		
Flange							UG387/U		
Forward Power	0.5	1	1	1	1	1	0.5		Watt
Reverse Power	0.5	1	1	1	1	1	0.5		Watt
Peak Power	10		10	10	10	10	1		Watt
Humidity	95%		95%	95%	95%	95%			at 50 °C
Op. Temp.	-40 to 50	0 to +50	-40 to +60	-40 to +60	-10 to +60	-10 to +60	+25	-30 to +85	°C
Storage temp.	-55 to 80								°C

Waveguide Isolator, 60-90 GHz (4-5 GHz Bandwidth) WR12 Package, 0.5 Watt or 1 Watt

Specifications:									Unit		
Frequency	71-76		74.5-75.5		76-78		76-78		81-83	83-86	GHz
Bandwidth	Full		Full		Full		Full		2GHz	3GHz	
Insertion loss	0.5	0.6	0.5		0.4		0.4		0.6	0.6	dB (min)
Isolation	18	17	20		20		20		18	18	dB (max)
VSWR	1.30	1.35	1.25:1		1.3:1		1.25:1		1.30:1	1.30:1	
Waveguide	WR-12		WR-12		WR-12		WR-12		WR-12	WR-12	
Forward Power	1		0.5		1		1		1	1	Watt
Reverse Power	1		0.5		1		1		1	1	Watt
Peak Power	-		10		10		NA		10	10	Watt
Humidity	-		95%		95%		NA		95%	95%	at 50 °C
Op. Temp.	-10 to +60	-40 to +85	0 to +50		-40 to 50		-10 to 60		-40 to +60	-40 to +60	°C
Storage temp.	-		-55 to 80		-55 to 80		NA				°C

Specifications:									Unit		
Frequency	81-86		81-86		81-86		81-86		81.6-83.6	GHz	
Bandwidth	Full		4GHz		4GHz		5GHz		Full		
Insertion loss	0.5	0.6	0.4		0.4		0.5		0.5	0.5	dB (min)
Isolation	18	17	20	20	18				20		dB (max)
VSWR	1.30:1	1.35:1	1.25:1	1.25:1	1.30:1				1.25:1		
Waveguide	WR-12		WR-12		WR-12		WR-12		WR-12	WR-12	
Flange	-		UG387/U								
Forward Power	1		0.5		1		1		0.5		Watt
Reverse Power	1		0.5		1		1		0.5		Watt
Peak Power	-		1		10		10		10		Watt
Humidity	-				95%		95%		95%		at 50 °C
Op. Temp.	-10 to +60	-40 to +85	+25	-30 to +85					-40 to 50		°C
Storage temp.									-55 to 80		°C