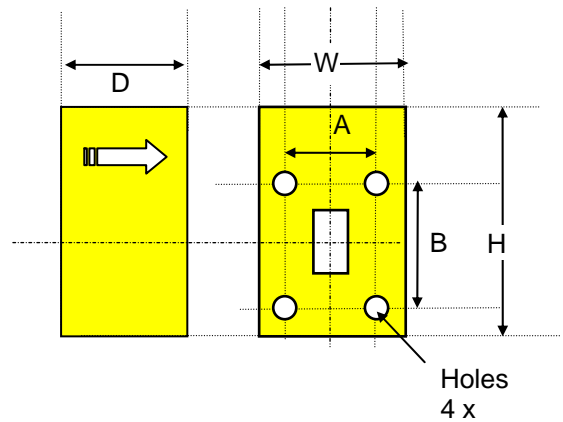


Waveguide isolators

RADITEK Waveguide isolators operate up to frequencies beyond 100 GHz. The standard units are typically clear or yellow allodined Aluminum. The ultra, low loss units are silverplated brass construction, typically. Virtually any Waveguide type can be supplied. Either metric, US threads or through holes can be supplied

Direction of RF:	
R	Default
L	

Order Examples: **RADI-37-40-WR28-0.5WR**
I=ISOLATOR / C=CIRCULATOR



Specifications over the full standard operating temperature of -20 to +70°C (other ranges available):

I or C	Frequency GHz	Power in Watts	Insert ⁿ Loss (dB)	Isol ⁿ . (dB)	In & out VSWR \ Ret. Loss (dB)	WG. WR-Flange	W	A	H	B	D	Holes 4 x
I	13±5%	5,10,20	0.2	25	20	75	38.1	28.5	68.9	26.4	45	3.7 thru
I	14-14.5	8,25,40	0.3	20	1.1 5	75 CPR	38.7	28.5	45.9	26.4	45	3.7 thru
I	15±5%	5,10,20	0.2	25	20	62	33.3	24.2	68.9	25.2	40	3.7 thru
I	17.7-19.7	1.0	0.3	18	18	42	22.35	17.02	38.1	16.26	27.94	M3 4.8d
C	21.0-23.7	1.0	0.3	19	1.15	42	22.35	17.02	29.2	16.26	25.4	4-40 UNC
I	21.2-23.6	0.5	0.4	18	20	42	22.35	17.02	31.75	16.26	27.94	M3 Pc
I	21.2-23.6	0.5	0.3	18	20	42	22.35	17.02	33.02	16.26	33.02	4-40 UNC Rm 90°
I	22.6-25	1.0	0.4	20	1.2	42	22.4	17.02	38.1	16.25	22.3	4-40 UNC
I	24.5-26.5	1.0	0.5	20	20	42ug 595u	22.3	17.02	33.02	16.26	12.75	M3
I	26-28	0.5	0.4	20	1.2	28	19.05	13.46	31.75	12.75	13	3.81mm
I	27-32	0.5	0.3	20	1.2	28	20	13.46	32	12.7	13	4-40 UNC
I	27.5-29.5	0.5	0.25	21	1.2	28	20	13.46	32	12.7	13	4-40 UNC
I	27-29.5	1.0	0.5	20	20	28	19.56	13.46	32	12.75	13	M3
I	34-37	1.0	0.3	20	1.2	28	22	12.7	32	12.7	20	M3
I	35.5-37.5	1.0	0.3	20	1.2	28	22.86	13.5	28	12.7	22.86	4-40 UNC
I	37-40	0.5	0.3	23	23	28	19.1	13.46	34.54	12.7	19.1	3.81
C	37-40	0.5	0.25	23	23	28	19.1	13.46	30.48	12.7	19.1	4-40 UNC
I	54-57.9	2.0	0.7	18	16.5	19	19.05	13.46	31.75	12.75	12.7	M3
I	76-77	0.1	1.5	20		26	16.0	12.96	19	15.2	12	2.8
I	86-92	1.0	0.5	20	1.25	10	22.4	12.96	25.4	14.3	12	6G shock
I	94-96	0.5	0.5	20	1.25	10	22.4	12.96	25.4	14.3	12	4-40 UNC