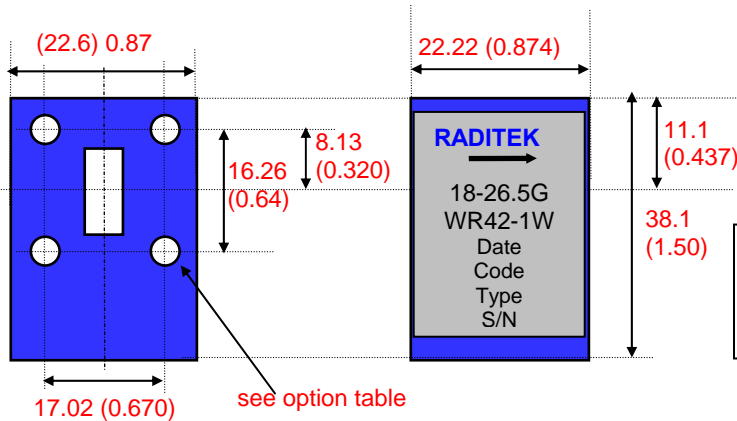


Waveguide Isolator, 18-26.5GHz, WR42, Full or Split Bands 10% Bandwidth, 0.5-1Watt Reverse Power



WR42
10.67 x 4.32 ± 0.005
(0.420 x 0.170
±0.003)

Tolerance Table Metric (inch)

(unless otherwise stated):
Hole diameter +/- 0.1mm, (+/- 0.004")
Dimensions (w*l*h) +/- 0.3 mm, (+/- 0.015")
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")

Units: mm(Inches)
Not to scale

Material: Aluminum
Finish: Chemical Film

Direction of RF:	
R	Default ▶
L	◀

Hole Options-X

- 1 8 off 4-40 UNC 2B
0.17"(4.32) deep
- 2 4 Thru holes
0.116/.110 dia., +/-0.01
- 3 8 off M3 x 5-6H
(5 pitch,6H thread class)x0.280"(7.1) deep
- 4 4 x M3 0.5-6H,
tapped thru

Order Examples: **RADI-18-26.5-WR42(UDR220)-1WR-1-b**
I=ISOLATOR

Specifications	(Full Band)	(Full Band)	(Full Band)	(Full Band)	Units
Frequency	18-26.5	18-26.5	18.8-26.5	22-26.5	GHz
Insertion loss	0.5	0.5	1.5	0.3	dB maximum
Isolation	18	17	25	18	dB minimum
VSWR	1.3:1	1.3:1	1.5:1	1.30:1	
Power Forward	2	1	2	2	Watt minimum
Power Reverse (Load)	1	1	0.5	0.5	Watt minimum
Waveguide interface type	WR42/UDR220	WR42/UG595U	WR42/UDR220	WR42/UDR220	
Operating temperature	-15 to +35	-15 to +35	-35 to +80	-35 to +80	°C

Altitude	to 15,000	feet
Humidity	to 95	%
Vibration		G max (sine)
Shock		G max ETS-019-1-4
Leakage		dBc