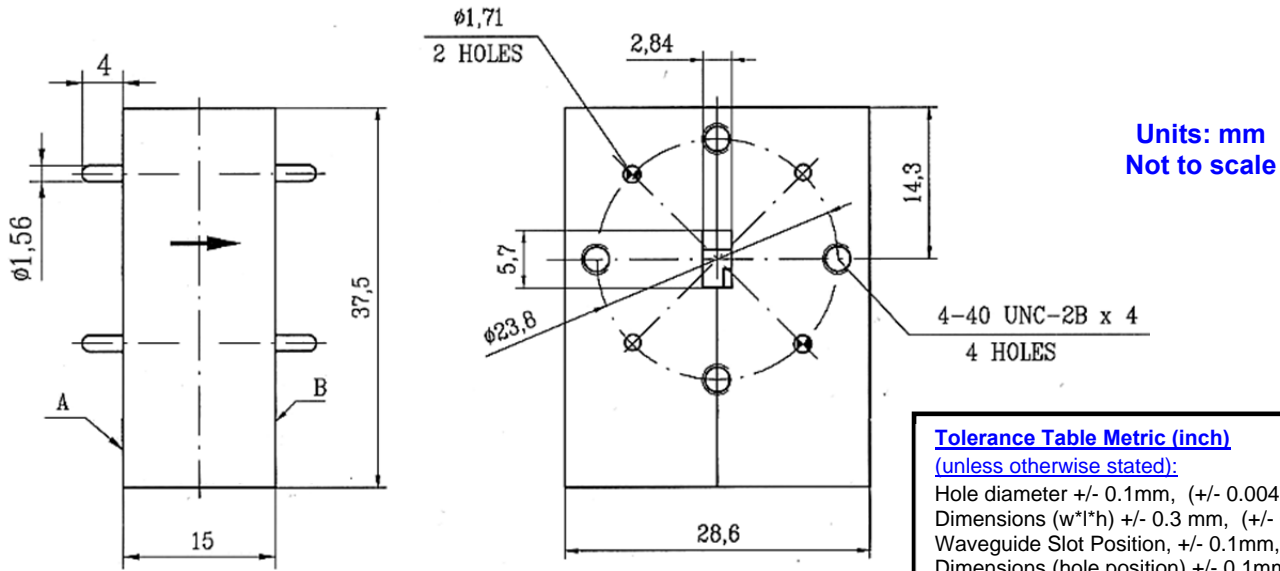


Waveguide Isolator, 33-50 GHz Full or Pat Bandwidth Cryogenic, 4-77°K, WR22, UG383/U or UG599/U Flange, 1 Watt



**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")
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-40-50-Cryo-(4-77°K)-WR22-UG383U-1WR-1-b
I=ISOLATOR

Flange Hole Options-X:

- 1 8 off 4-40 UNC 2B 0.17"(4.32) deep
- 2 4 Thru holes 0.116/0.110 dia +/-0.01; (2.95+/-0.07mm)
- 3 8 off M3 x 5-6H (5 pitch,6H thread class) x 0.280"(7.1) deep
- 4 4 x M3 0.5-6H, tapped thru

Specifications:

Frequency GHz	Insertion loss dB (max)	Isolation dB (min)	VSWR	Forward Power Watts	Reverse Power Watt	Operating Temp °K	Waveguide	WG Flange	Size (mm)
33-50	0.7	13	1.60:1	1	1	10-20	WR22	UG383/U	15x37.5x28.6
33-50	0.7	13	1.60:1	1	1	10-20	WR22	UG599/U	15x20x32
33-50	0.7	13	1.60:1	1	1	4-77	WR22	UG383/U	15x37.5x28.6
40-50	0.6	15	1.50:1	1	1	4-77	WR22	UG383/U	15x37.5x28.6