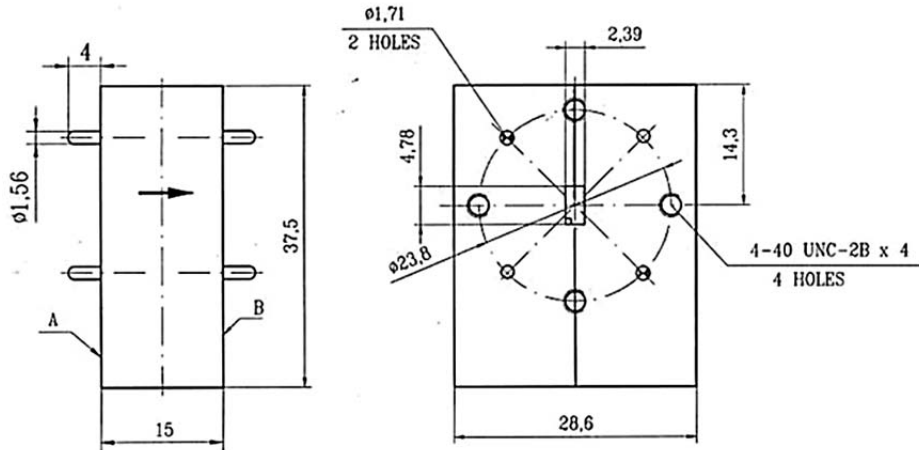


Waveguide Isolator, 40-52 GHz, Split Bands WR19 Package, UG 383/U Flange, 1 or 5 Watts



The dimensions are the same on the A, B surfaces.

WR19
4.78 x 2.39

Units: mm
Not to scale

Direction of RF:	
R	Default ▶
L	◀

Tolerance Table Metric (inch)

(unless otherwise stated):

Hole diameter +/- 0.1mm, (+/- 0.004")
 Dimensions (w*h) +/- 0.3 mm, (+/- 0.015")
 Dimensions (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")

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) x 0.280"(7.1) deep
- 4 4 x M3 0.5-6H,
tapped thru

Order Examples: **RADI-40-50-WR19-UG383/U-1WR-1-b**
I=ISOLATOR

Specifications:

Frequency GHz	Insertion loss dB (max)	Isolation dB (min)	VSWR	Reverse Power Watts	Forward Power Watts	Operating Temp °C	Waveguide/ Flange
40-44	0.4	20	1.25:1	1	1	-10 to +60	WR19/ UG 383U
40-50	0.4 0.5	20 18	1.25:1 1.30:1	1	1	-10 to +50 -30 to +70	WR19/ UG 383U
43-49	0.4	20	1.25:1	1	1	-10 to +60	WR19/ UG 383U
47-51	0.4	20	1.25:1	5 Watts Average		-10 to +60	WR19/ UG 383U
47-52	0.4	20	1.25:1	1	1	-10 to +50	WR19/ UG 383U