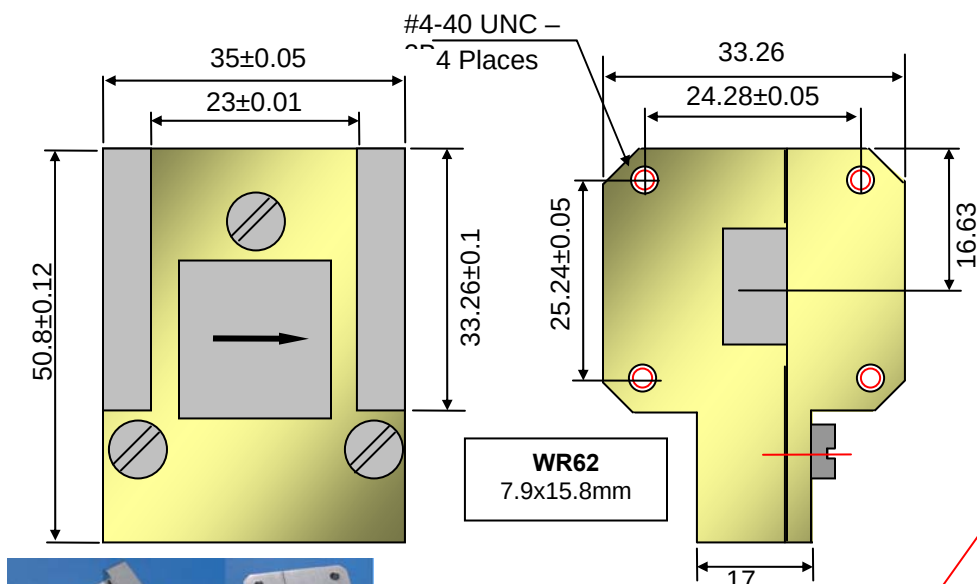


Waveguide Isolator, 12.5-16.0GHz, Full or Part Bands WR62/UBR140, 1-4 Watts Reverse Power



Units: mm.
Not to scale

Tolerance Table Metric (inch)

(unless otherwise stated):

Hole diameter ± 0.1 mm, (± 0.004 "")
Dimensions (w*h) ± 0.3 mm, (± 0.015 "")
Waveguide Slot Position, ± 0.1 mm, (± 0.04 "")
Dimensions (hole position) ± 0.1 mm, (± 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 8 x M3 0.5 deep



Direction of RF:

R	Default	▶
L		◀

Order Examples: RAD**I**-12.5-13.5-WR62-UBR140-1WR**-1-e**
I=ISOLATOR

Specifications:				Units
Frequency Range	12.5-13.5	12.5-16.0	12.6-15.4	GHz
Insertion loss	0.2	0.3	0.3	dB
Isolation	20	20	20	dB
VSWR (in and out)	1.22	1.22	1.22	Max
Forward Power	2	1	2	Watts (max.)
Reverse Power	1	1	2	Watts
Operating temperature	-30 to +65	-30 to +70	-30 to +70	°C
Flange	WR62 / UBR-140	WR62 / UBR-140	WR62 / UBR-140	
Material	Aluminum	Aluminum	Aluminum	
Finish	Chemical Film	Chemical Film	Chemical Film	

Waveguide Isolator, 12.5-16.0GHz, Full or Part Bands WR62/UBR140, 1-4 Watts Reverse Power

Specifications:				Units
Frequency Range	13-16	13.75-14.5	14.2-15.5	GHz
Insertion loss	0.3	0.2	0.2	dB
Isolation	20	20	22	dB
VSWR (in and out)	1.25	1.22	1.22	Max
Forward Power	3	25	2	Watts (max.)
Reverse Power	3	4	1	Watts
Operating temperature	-30 to +70	-30 to +65	-30 to +65	°C
Flange	UBR-140	UBR-140	UBR-140	
Material	Aluminum	Aluminum	Aluminum	
Finish	Chemical Film	Chemical Film	Chemical Film	