

Waveguide Isolator, WR28, 26.5-40GHz, Full and Part Bands 20-80Watts Reverse Power

WR28
7.11 x 3.56mm ± 0.02
(0.28 x 0.14)

New Smaller Model

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")

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 (default)
- 5 4 x M3 0.5-6H, tapped thru x2 M3 mounting holes in base
- 6 4 x M2.6 0.5-6H, tapped thru x2

Direction of RF:

R	Default	▶
L		◀

Order Examples: RADI-26.5-40.0-WR28-80WR-4-b
I=ISOLATOR

Units: mm
Not to scale

Specifications					Units	
Frequency	26.5-40.0	29-31		32.5-36.5	GHz	
Insertion loss	0.6	0.4	0.5	0.4	0.5	dB (max)
Isolation	15	20	18	20	18	dB (min)
VSWR	1.5	1.25	1.30	1.25	1.30	:1 (max)
Rated Power Reverse	80	20 or 40		50	Watt	
Rated Power Forward	80	100		100	Watt	
Rated Power Peak				1000	Watt	
Operating temperature	0 to +50	+25	-30 to 70	+25	-30 to 70	°C
Storage temperature	-40 to +80					°C
Humidity	up to 98%	up to 98%		up to 98%		at 25C
Weight	240	240		240		gm

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Specifications					Units
Frequency	27.5-28.6				GHz
Insertion loss	0.25	0.3			dB (max)
Isolation	23	20			dB (min)
VSWR	1.15	1.2			:1 (max)
Rated Power Reverse	50				Watt
Rated Power Forward	N/A				Watt
Rated Power Peak	100				Watt
Operating temperature	Room	-30to+70			°C
Storage temperature					°C
Humidity					at 25C
Weight					gm

Note 1 External magnetic fields should not be higher than 800A/m at the device location.
 Note 2 Ferromagnetic objects should be at least 15mm away from the device