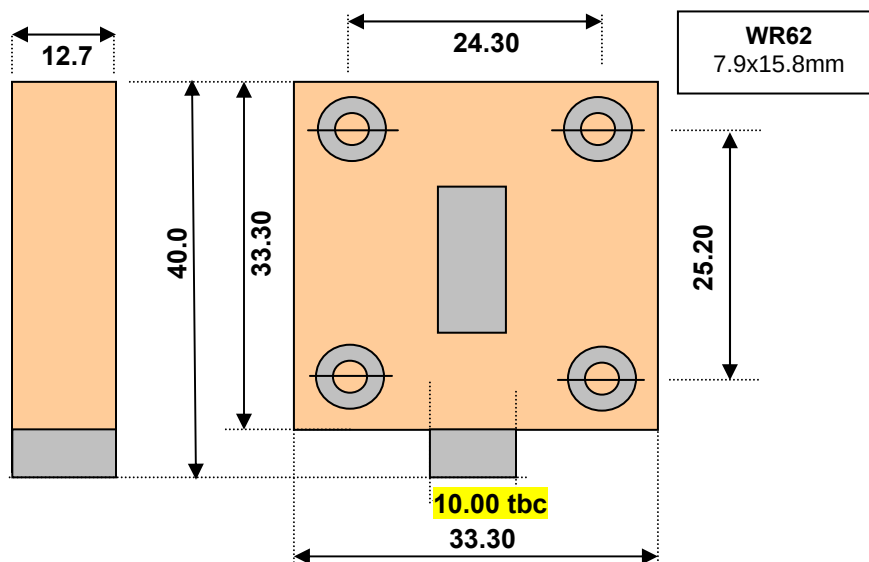


Waveguide Isolator, 14.4-17.0GHz, Part Bandwidth WR62, 2A-AV



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")

Units: mm.
Not to scale
Material: Silver-plated brass.

Direction of RF:

R	Default	▶
L		◀

Order Examples: RAD~~**I**~~**-16.0-17.0-WR62-0.5WR-2A-AV**
I=ISOLATOR

Specifications			Units
Frequency	14.4-15.35	16.0-17.0	GHz
Power (Peak/CW)	1W / 0.5mW	1W / 0.5mW	
Power Return to Load (Peak / Average)	0.1W / 0.05mW	0.1W / 0.05mW	
Insertion loss	0.3	0.25	dB max. (ud 11-16-04)
Isolation	20	20	16.5-17 dB min.
	19	18	16-16.5 dB min.
VSWR (in/out)	1.25	1.2	max.
Load Return VSWR	1.2	1.2	max.
Amp. Distortion (Over Freq. & Temp.)	±0.15	±0.15	dB
Phase Distortion (Over Freq. & Temp.)	±5	±5	Deg.
Reliability	10,000	10,000	hours MTBF
Life	10 years	10 years	106 revolutions
Operating Temperature	-25 to + 70	-25 to + 70	°C
Storage Temperature	-40 to +85	-40 to +85	°C
Vibration	4.3	4.3	g rms (100 to 2000 Hz)
Shock	10	10	
Humidity	90%	90%	
	e 14736		