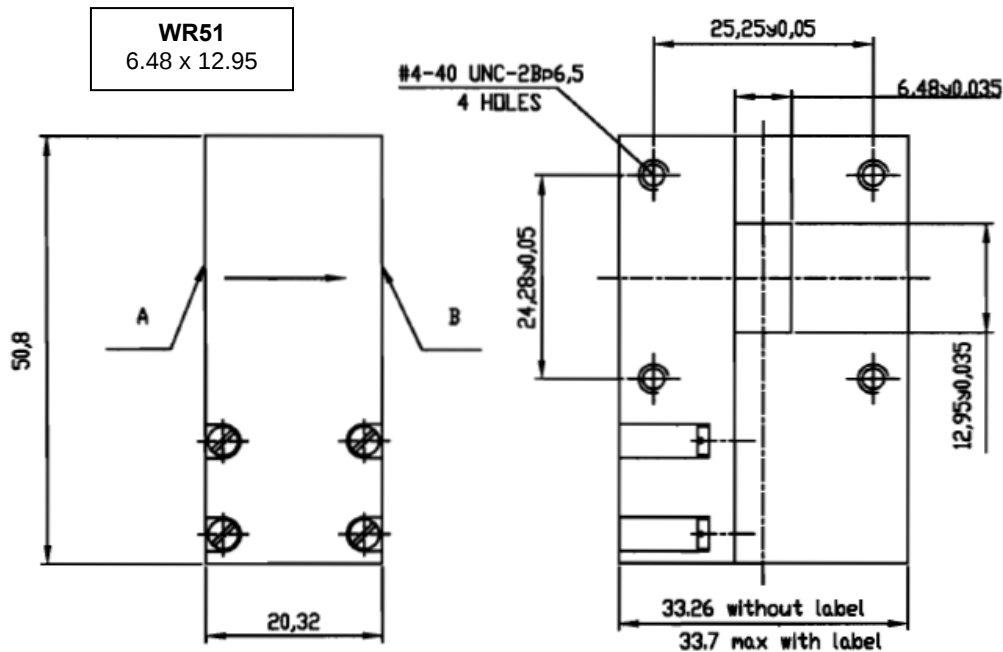


Waveguide Isolator, 15-22GHz, Split Bands, WR51 0.5-5Watts Reverse / 1-10Watts Forward Power



Tolerance Table Metric (inch) (unless otherwise stated):

Hole diameter $\pm 0.1\text{mm}$, ($\pm 0.004''$)
 Dimensions (w*h) $\pm 0.3\text{mm}$, ($\pm 0.015''$)
 Waveguide Slot Position, $\pm 0.1\text{mm}$, ($\pm 0.04''$)
 Dimensions (hole position) $\pm 0.1\text{mm}$, ($\pm 0.04''$)

Machined surfaces

Flatness 0.025mm , ($0.001''$ inch)
 Bend radius 0.8mm , ($0.031''$ or $1/32''$)

Units: mm
Not to scale

Direction of RF:

R	Default	▶
L		◀

Order Examples: **RADI-20-22-WR51-5WR**
I=ISOLATOR

Specifications:							Units
Frequency	15-17	17.5-20.5	17.7-22.2	20-22	20.2-21.2	20.2-21.2	GHz
Insertion loss	0.3	0.4/ 0.3	0.3	0.4	0.30	0.30	dB max
Isolation	20	20/18	18	18	20	20	dB min
VSWR	1.25	1.25/ 1.30	1.30	1.25	1.25	1.25	:1 max
Waveguide	WR-51	WR-51	WR-51	WR-51	WR-51	WR-51	
Flange	UBR-140	UBR-140	UBR-140	UBR-140	UBR-140	UBR-140	
Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
Finish	Chemical Film	Chemical Film	Chemical Film	Chemical Film	Chemical Film	Chemical Film	
Power Forward	1	2	1	10	1	1	Watts
Power Load	1	0.5	1	5	0.5	1	Watts
Operating Temp.	-40 to +85	-30 to +70/ +15 to +35	-30to +70	-30 to +70	-30 to +65	-30 to +65	°C

RADI-15.0-22.0-WR51-0.5-5WR-Generic-e

Specifications may be subject to change

06/19/12

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