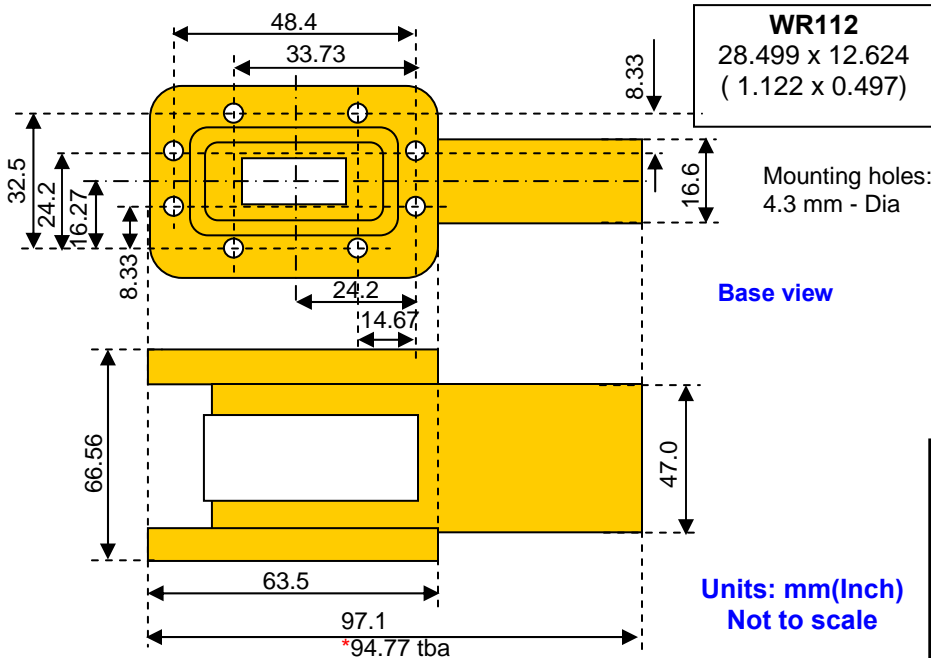


Waveguide Isolator, WR112, 7.0-10.0 GHz, Full or Split Bands CPR112G Flange, 0.5, 1 and 2 Watts



WG Flange Interface

Hole Options-X (per flange)

- 1 **4** off 4-40 UNC 2B
0.17"(4.32) deep
- 2 **4** Thru holes
0.116/.110 dia +/-0.01;
- 3 **4** off M3 x 5-6H
(5 pitch,6H thread class)
x 0.280"(7.1) deep
- 4 **4** off 6-32 UNC Thru

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")

Direction of RF:

R	Default	▶
L		◀

Order Examples: **RADI-7.1-7.9-WR112(CPR112G)-2WR**
I=ISOLATOR

Specifications						Units
Frequency	7.1-7.9	*7.1-8.5	7.7-8.5	*7.0-10.0	*7.0-10.0	GHz
Bandwidth	Full	Full	Full	10%	Full	
Insertion loss	0.15	0.25	0.15	0.3	0.4	dB max
Isolation	28	20	28	20	18	dB min
VSWR	1.1	1.22	1.1	1.22	1.30	:1
Rated Power Forward	2	1	2	1	1	Watt
Rated Power Reverse	2	1	2	0.5	0.5	Watt
Operating temperature	+15 to +35	-30 to +55	+15 to +35	-30 to +70	+15 to +35	°C
Storage Temperature		-30 to +70		-50 to 105	-50 to 105	
Humidity (non condensing)	to 95	to 95	to 95	to 95	to 95	%
Waveguide Type	WR112	WR112	WR112/ CPR-112G	WR112/ CPR-112G	WR112/ CPR-112G	
Materials	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
Finish	Chemical Film	Chemical Film	Chemical Film	Chemical Film	Chemical Film	