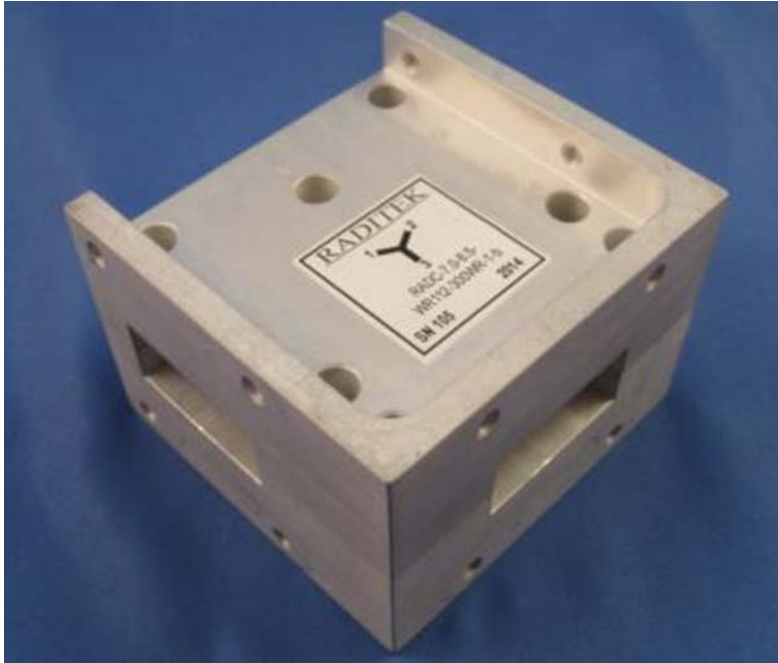


Waveguide Circulator, 7.0-8.5GHz, WR112 UER84 Flange, 2, 3 or 300Watts Reverse Power

WR112 covers 7.05-10.0



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 $1/32"$)

WR112

28.5 x 12.6
(1.256x0.631)

Hole Options-X

-1 12 off 6-32 UNC 2B

Direction of RF:

R	Default	▶
L		◀

Order Examples: **RADC-7.0-8.5-WR112-300WR-1-b**
C=CIRCULATOR

Units: mm
Not to scale

Material: Aluminum
Weight 350g
Alternative Material Brass
Weight 800g

Specifications					Units
Frequency	7.7-8.5	7.0-8.5	7.0-8.5	7.0-8.5	GHz
Insertion loss	0.2	0.2	0.2	0.3	dB max
Isolation	23	19	20	20	dB min
VSWR	1.15	1.25:1	1.2:1	1.25:1	max
Forward Power		300	80	2	
Reverse power	3	300		2	Watt min
Waveguide interface type	WR112/UER 84	WR112	WR112	WR112	
Operating temperature	-30 to +70	-30 to +70	-10 to +60	-30 to +70	°C
Storage temperature	-50 to 105	-50 to 105		-50 to 105	°C
Altitude	to 15,000	to 15,000	NA	NA	feet
Humidity	to 95	to 95	NA	NA	%

RADC-7.0-8.5-WR112-2-300WR-b

Specifications may be subject to change

03/07/14

WORLD HQ: 1702L Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.

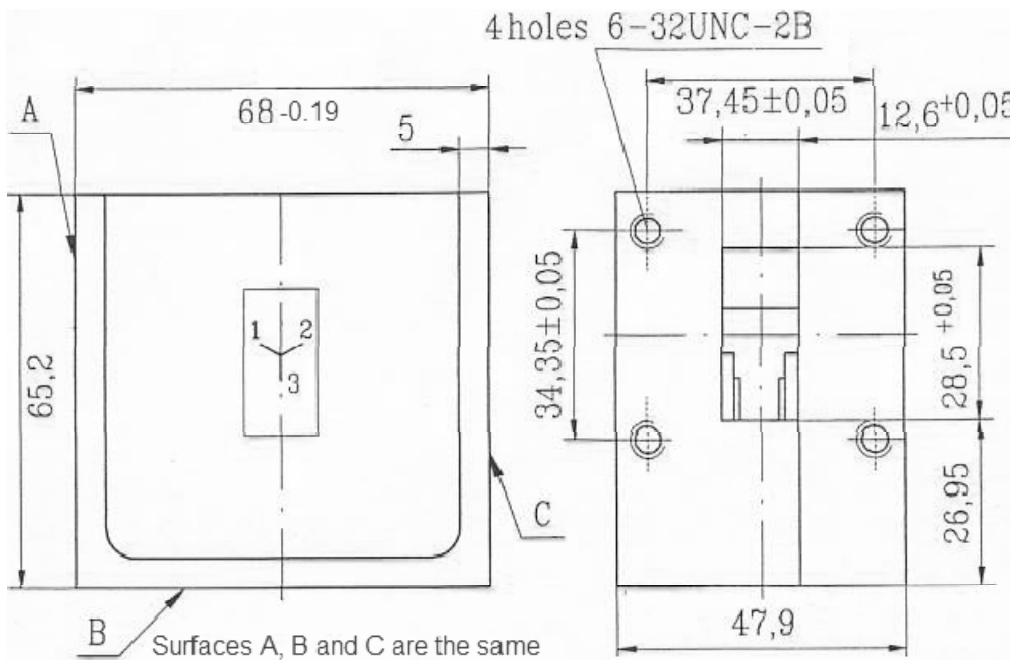
Tel: (408) 266-7404

WEB: www.raditek.com

FAX: (408) 266-4483

E-mail: sales@raditek.com

Waveguide Circulator, 7.0-8.5GHz, WR112 UER84 Flange, 2, 3 or 300Watts Reverse Power



Tolerance Table Metric (inch)

(unless otherwise stated):

Hole diameter ± 0.004 mm, (± 0.0001 inch)

Dimensions (w*h)

± 0.3 mm, (± 0.012 inch)

Waveguide Slot Position,

± 0.1 mm, (± 0.004 inch)

Dimensions (hole position)

± 0.1 mm, (± 0.004 inch)

Machined surfaces

Flatness 0.025/mm, (0.001/ inch)

Bend radius 0.8mm, (0.031" or 1/32")

WR112

28.5 x 12.6
(1.256x0.631)