

**Preliminary**

## Waveguide Combiner / C-BAND 4 way Combiner

# RRW5459-AB000

# RFHIC

### Product Features

- 4 way Combiner
- Waveguide Output Interface
- N(F) Input Interface
- Integrated Dual Directional Coupler

### Applications

- High power SSPA combining
- Weather radar
- Defense radar
- ISM application



### Description

The RRW5459-AB000, 4 way combiner is designed for the high power SSPA combining application. The RRW5459-AB000 was applied to RFHIC 5kW transmitter system.

### Electrical Specifications

PARAMETER	UNIT	SPECIFICATION
Operating Frequency	GHz	5.4 ~ 5.9
Insertion Loss <sup>1</sup>	dB	< 0.4
Amplitude Balance	dB	± 0.4
Phase Balance	°	± 5
Coupling	dB	60 ± 1
Output VSWR	-	Max. 1.25 : 1
Power handling each Input	W	CW 200W, Peak 1.5kW

<sup>1</sup> This value includes adapter loss.

### Mechanical Specifications

PARAMETER	UNIT	VALUE
Dimensions(W x D x H)	mm	415 x 332.5 x 82
RF Input / Output Interface	-	N(F) / WR159
Weight	kg	Max. 2
Material / Surface finish	-	Al / Chromate



#### Certification

This product is manufactured by a company that is certified for the AS9100D quality management system.

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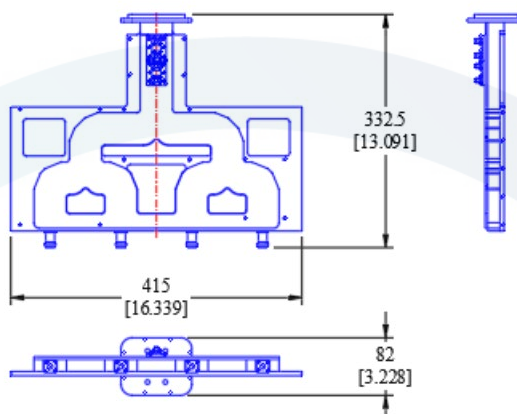
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## Dimensions

Unit: mm[inch]



### Note

\* Specifications are subject to change without notice.

## Option

1. N(F) to WR159 adapter
2. WR159 directional coupler

## Revision History

Part Number	Release Date	Version	Description	Data Sheet Status
RRW5459-AB000	21 <sup>th</sup> Apr. 2020	0.1	1 <sup>st</sup> release	Preliminary

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