

Preliminary

Waveguide Combiner / C-BAND 4 way Combiner

RRW5459-AB040

RFHIC

Product Features

- 4 way Combiner
- Waveguide Output Interface
- N(M) Input Interface

Applications

- High power SSPA combining
- Weather radar
- Industrial M/W welding
- Industrial M/W heating & drying



Description

The RRW5459-AB040, 4 way H plane combiner is designed for the high power SSPA combining application. The RRW5459-AB040 was applied to RFHIC CW 800W generator system, RIF58800-20SG.

Electrical Specifications

PARAMETER	UNIT	SPECIFICATION
Operating Frequency	GHz	5.4 ~ 5.9
Insertion Loss ¹	dB	< 0.4
Amplitude Balance	dB	± 0.3
Phase Balance	°	± 3
Output VSWR	-	< 1.25 : 1
Power handling each Input	W	CW 200W, Peak 1.5kW

¹ This value includes adapter loss.

Mechanical Specifications

PARAMETER	UNIT	VALUE
Dimensions(W x D x H)	mm	349.4 x 242.85 x 82
RF Input / Output Interface	-	N(M) / WR159
Weight	kg	1.5 Max
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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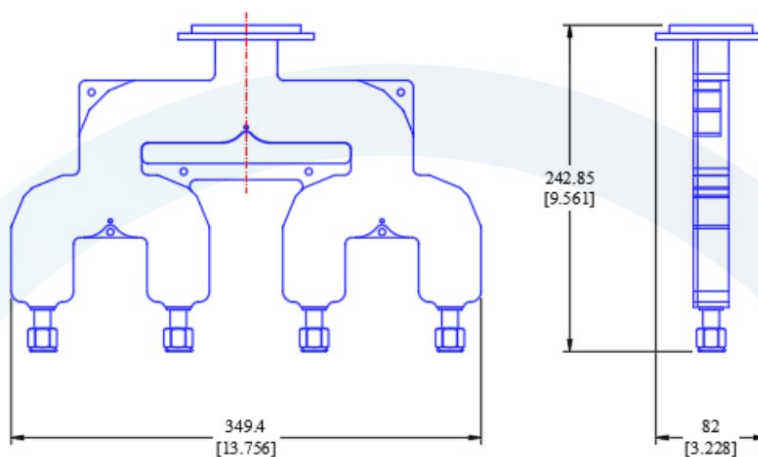
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Dimensions

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-AB040	12 th Oct. 2021	0.1	1 st release	Preliminary

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