

Preliminary

Waveguide Combiner / C-BAND 4 way Combiner

RRW5459-AB010

RFHIC

Product Features

- 4 way Combiner
- Waveguide Interface
- E bend at each input

Applications

- High power SSPA combining
- Weather radar
- Defense radar



Description

The RRW5459-AB010, 4 way H plane combiner is designed for the high power SSPA combining application. The RRW5459-AB010 was applied to RFHIC 15kW and 30kW transmitter system.

Electrical Specifications

PARAMETER	UNIT	SPECIFICATION
Operating Frequency	GHz	5.4 ~ 5.9
Insertion Loss ¹	dB	< 0.2
Amplitude Balance	dB	± 0.3
Phase Balance	°	± 5
Output VSWR	-	< 1.3 : 1
Power handling each Input	kW	Peak 5

¹ This value includes adapter loss.

Mechanical Specifications

PARAMETER	UNIT	VALUE
Dimensions(W x D x H)	mm	178.45 x 90.53 x 305.9
RF Input / Output Interface	-	WR137
Weight	kg	Max. 1
Material / Surface finish	-	Al / Chromate



Certification

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

Dimensions

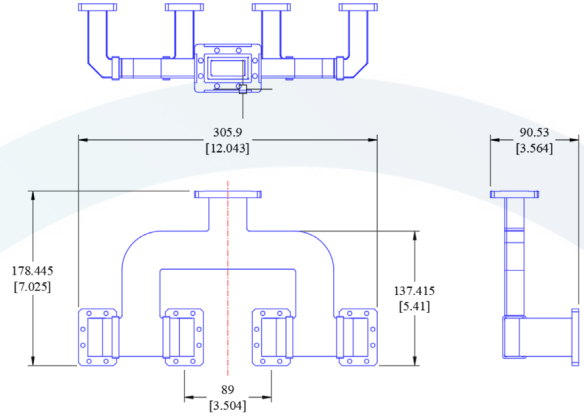
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Unit: mm[inch]



Note

* Specifications are subject to change without notice.

Option

1. N(F) to WR137 adapter
2. WR137 to WR159 adapter
3. WR137 directional coupler
4. Conductive O-ring

Revision History

Part Number	Release Date	Version	Description	Data Sheet Status
RRW5459-AB010	13 th Oct. 2021	0.1	1 st release	Preliminary

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