

Preliminary

Radial Combiner / S-BAND 8 way Combiner

RCRS3100-8NF00

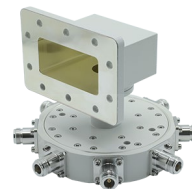


Product Features

- 8 way Radial Combiner
- Waveguide Output Interface
- N Input Interface

Applications

- High power SSPA combining
- Radar application



Description

The RCRS3100-8NF00, 8 way combiner is designed for the high power SSPA combining application. The RCRS3100-8NF00 was applied to RFHIC 15kW transmitter system.

Electrical Specifications

PARAMETER	UNIT	SPECIFICATION
Operating Frequency	GHz	2.9~3.3
Insertion Loss ¹	dB	< 0.3
Amplitude Balance	dB	± 0.3
Phase Balance	°	± 5
Output VSWR	-	< 1.2 : 1
Power handling each Input	kW	Peak 3.0

¹ This value includes adapter loss.

Mechanical Specifications

PARAMETER	UNIT	VALUE
Dimensions	mm	170.9 x 170.9 x 136.1
RF Input / Output Interface	-	N(F) / WR284
Weight	kg	Max. 1.6
Material / Surface finish	-	Al / Ag plating, Painting



Certification

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

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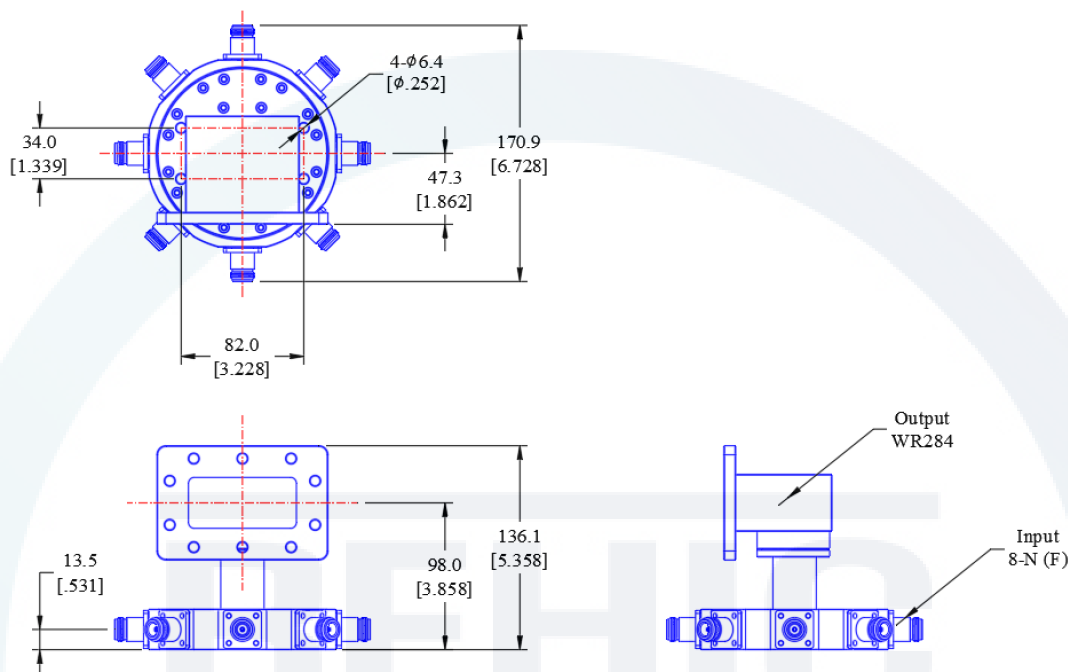
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Dimensions

Unit: mm[inch]



Note

* Specifications are subject to change without notice.

Option

1. N(F) to WR284 adapter
2. WR284 directional coupler

Revision History

Part Number	Release Date	Version	Description	Data Sheet Status
RCRS3100-8NF00	19 Oct. 2022	0.1	1 st release	Preliminary

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