

Preliminary

Radial Combiner / S-BAND 16 way Combiner

RCRS3000-16NF00

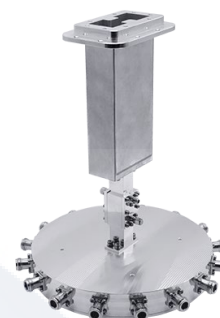


Product Features

- 16 way Radial Combiner
- Broadband High Power combiner
- Waveguide Output Interface
- N Input Interface

Applications

- High power SSPA combining
- Radar application



Description

The RCRS3000-16NF00, 24 way combiner is designed for the high power SSPA combining application. The RCRS3000-16NF00 was applied to RFHIC 5kW transmitter system.

Electrical Specifications

PARAMETER	UNIT	SPECIFICATION
Operating Frequency	GHz	2~4
Insertion Loss ¹	dB	< 0.8, typ.0.5
Amplitude Balance	dB	± 1.0
Phase Balance	°	± 5.0
Output VSWR	-	< 1.5 : 1
Power handling each Input	W	Peak 3.0
Coupling	dB	45 ± 2.0

¹ This value includes adapter loss.

Mechanical Specifications

PARAMETER	UNIT	VALUE
Dimensions	mm	248.4 x 248.4 x 301.0
RF Input / Output Interface	-	N(F) / WRD200
Coupling interface	-	SMA(F)
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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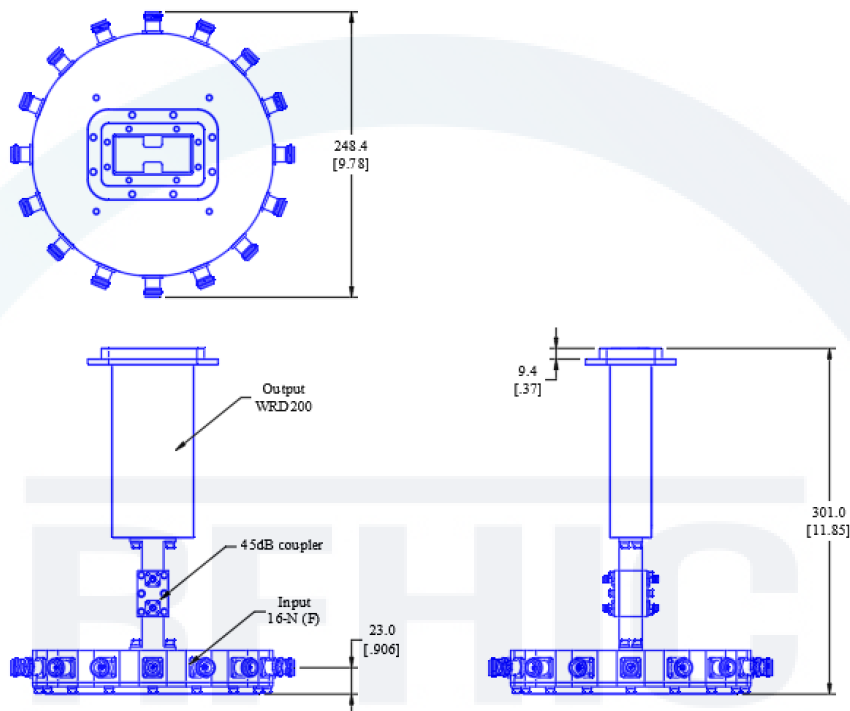
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RCRS3000-16NF00



Dimensions

Unit: mm[inch]



Note

* Specifications are subject to change without notice.

Option

1. N(F) to WRD200 adapter

Revision History

Part Number	Release Date	Version	Description	Data Sheet Status
RCRS3000-16NF00	19 Oct. 2022	0.1	1 st release	Preliminary

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