

Preliminary

Radial Combiner / S-BAND 16way Combiner

RIW2829-AD000

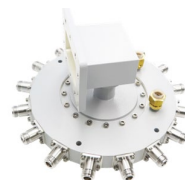


Product Features

- 16 way Radial Combiner
- Waveguide Output Interface
- N Input Interface
- Water cooling Interface

Applications

- High power SSPA combining
- Linear accelerator application



Description

The RIW2829-AD000, 16 way combiner is designed for the high power SSPA combining application. The RIW2829-AD000 was applied to RFHIC 20kW driver system.

Electrical Specifications

PARAMETER	UNIT	SPECIFICATION
Operating Frequency	GHz	2.8~2.9
Insertion Loss ¹	dB	< 0.5
Amplitude Balance	dB	± 0.4
Phase Balance	°	± 5
Output VSWR	-	< 1.2 : 1
Power handling each Input	kW	Peak 1.4

¹ This value includes adapter loss.

Mechanical Specifications

PARAMETER	UNIT	VALUE
Dimensions	mm	249.4 x 249.4 x 135.5
RF Input / Output Interface	-	N(F) / WR284
Weight	kg	Max. 3.2
Water Cooling Interface	-	Rc1/4
Material / Surface finish	-	Al / Chromate

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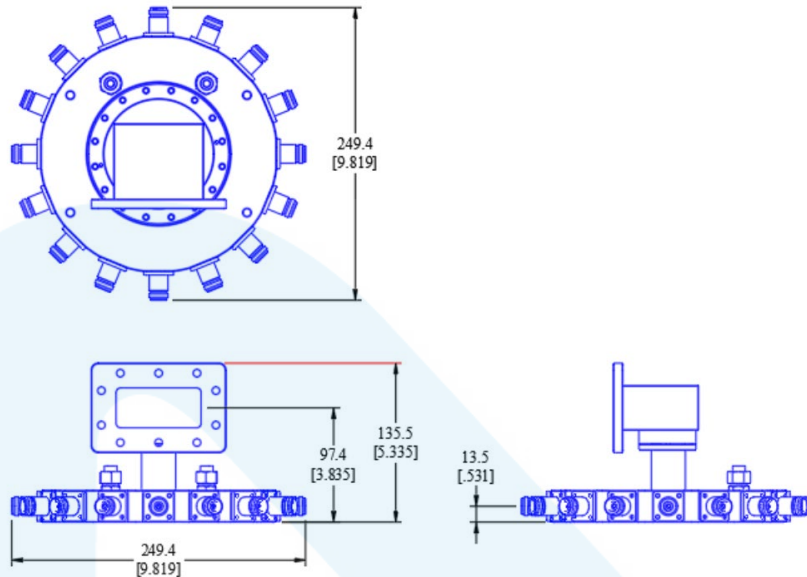
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Dimensions

Unit: mm[inch]



Note

* Specifications are subject to change without notice.

Option

1. N(F) to WR284 adapter

Revision History

Part Number	Release Date	Version	Description	Data Sheet Status
RIW2829-AD000	14 th Oct. 2021	0.1	1 st release	Preliminary

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RIW2829-AD000



Certification

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

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