

Preliminary

Radial Combiner/ 1.5GHz 4 way Combiner

RCS1500-4DF00



Product Features

- 4 way radial combiner
- DIN(F) / EIA 3 1/8" interface
- High power rating

Applications

- High power SSPA combining
- CVD application
- Plasma application
- EUV application



Description

The RCS1500-4DF00, 4 way radial combiner is designed for the high power SSPA combining application

Electrical Specifications

PARAMETER	UNIT	SPECIFICATION
Operating Frequency	MHz	1499 \pm 3MHz
Insertion Loss ¹	dB	< 0.15
Amplitude Balance	dB	\pm 0.1
Phase Balance	°	\pm 2
Output VSWR	-	< 1.07 : 1
Isolation	dB	8
Power handling each Input	kW	CW 2

¹ This value includes adapter loss.

Mechanical Specifications

PARAMETER	UNIT	VALUE
Dimensions	mm	242.2 x 242.2 x 139.2
RF Input / Output Interface	-	DIN(F) / 4-1/16
Material / Surface finish	-	Al / Chromate



Certification

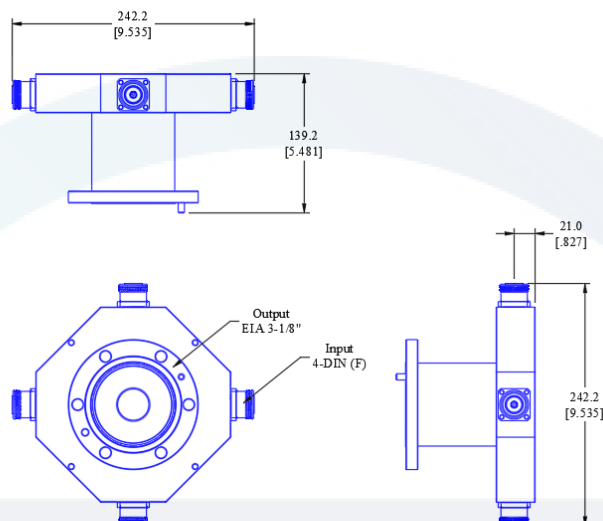
This product is manufactured by a company that is certified for the AS9100D quality management system.

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Dimensions

Unit: mm[inch]



Note

* Specifications are subject to change without notice.

Option

1. 3-1/8 to WR650 adapter
2. 3-1/8 Oring & couling elements
3. WR650 directional coupler

Revision History

Part Number	Release Date	Version	Description	Data Sheet Status
RCS1500-4DF00	20 Jun. 2022	0.1	1 st release	Preliminary

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