

Preliminary

Radial Combiner / S-BAND 60 way Combiner

RCRS3300-60QNF00



Product Features

- 60 way Radial Combiner
- Waveguide Output Interface
- Quick Lock Input Interface

Applications

- High power SSPA combining
- Radar application



Description

The RCRS3300-60QNF00, 60 way combiner is designed for the high power SSPA combining application.
The RCRS3300-60QNF00 was applied to 180kW transmitter system.

Electrical Specifications

PARAMETER	UNIT	SPECIFICATION
Operating Frequency	GHz	3.1~3.5
Insertion Loss ¹	dB	< 0.5, typ 0.35
Amplitude Balance	dB	± 0.5
Phase Balance	°	± 5
Output VSWR	-	< 1.25 : 1
Power handling each Input	kW	Peak 3.5

¹ This value includes adapter loss.

Mechanical Specifications

PARAMETER	UNIT	VALUE
Dimensions	mm	439.5 x 439.5 x 160.1
RF Input / Output Interface	-	QN(F) / WR284
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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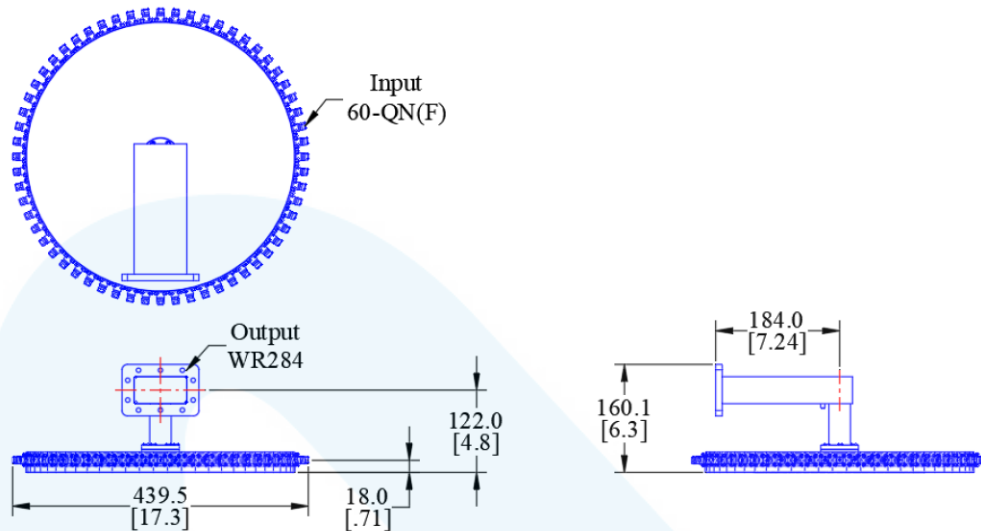
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Dimensions

Unit: mm[inch]



Note

* Specifications are subject to change without notice.

Option

1. N(F) to WR284 adapter
2. WR284 directional couple
3. QN50 ohm Load

Revision History

Part Number	Release Date	Version	Description	Data Sheet Status
RCRS3300-60QNF00	27 Jun. 2022	0.1	1 st release	Preliminary

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