

## Preliminary

# Radial Combiner / S-BAND 60 way Combiner

## RCRS3300-60QNF00

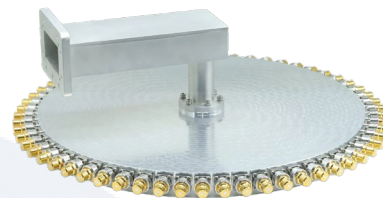


### Product Features

- 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 <sup>1</sup>	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

<sup>1</sup> 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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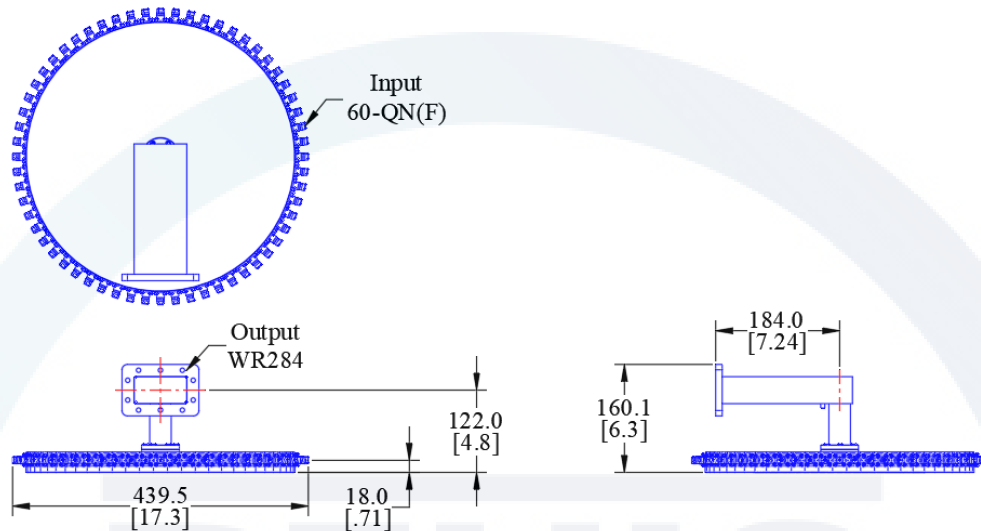
**Radial Combiner / S-BAND 60 way Combiner**

**RCRS3300-60QNF00**

**RFHIC**

## 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 <sup>st</sup> release	Preliminary

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