

Preliminary

Waveguide Combiner / S-BAND 4 way Combiner

RRW27317K5

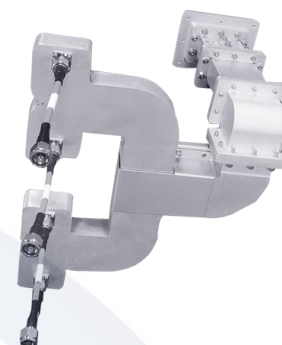
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Product Features

- 4 way Combiner
- Waveguide Output Interface
- N Input Interface
- Integrated Coupler , Bend & Straight

Applications

- High power SSPA combining
- ASR radar
- Weather radar
- Defense radar



Description

The RRW27317K5, 4 way combiner is designed for the high power SSPA combining application. The RRW27317K5 was applied to RFHIC 7.5kW transmitter system, RRT27317K5-60

Electrical Specifications

PARAMETER	UNIT	SPECIFICATION
Operating Frequency	GHz	2.7~3.1
Insertion Loss ¹	dB	< 0.3
Amplitude Balance	dB	± 0.3
Phase Balance	°	± 5
Output VSWR	-	< 1.2 : 1
Coupling	dB	58 ± 1
Power handling each Input	kW	Peak 3.0

¹ This value includes adapter loss.

Mechanical Specifications

PARAMETER	UNIT	VALUE
Dimensions	mm	440.45 x 388.36 x 358.51
RF Input / Output Interface	-	N(F) / WR284
Weight	kg	Max. 4.5
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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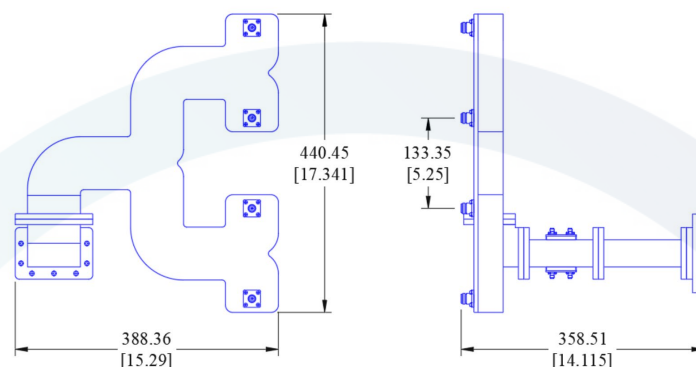
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Dimensions

Unit: mm[inch]



Note

* Specifications are subject to change without notice.

Option

1. N(F) to WR284 adapter
2. WR284 directional coupler
3. Mounting Fixture
4. RF Cable

Revision History

Part Number	Release Date	Version	Description	Data Sheet Status
RRW27317K5	15 th Oct. 2021	0.1	1 st release	Preliminary

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