

Preliminary

Waveguide Combiner / X-BAND 8 way Combiner

RWT90-08C01

RFHIC

Product Features

- 8 way Combiner
- Waveguide Interface

Applications

- High power SSPA combining
- Weather radar
- Maritime surveillance radar
- Defense radar



Description

The RWT90-08C01, 8 way combiner is designed for the high power SSPA combining application. The RWT90-08C01 was applied to RFHIC 5kW transmitter system, RRT92975K0-57.

Electrical Specifications

PARAMETER	UNIT	SPECIFICATION
Operating Frequency	GHz	9.2 ~ 9.7
Insertion Loss	dB	< 0.3
Amplitude Balance	dB	± 0.6
Phase Balance	°	± 10
Output VSWR	-	< 1.5 : 1
Power handling each Input	W	Peak 1kW

Mechanical Specifications

PARAMETER	UNIT	VALUE
Dimensions	mm	356.4 x 213.9 x 41.4
RF Input / Output Interface	-	WR90
Weight	kg	Max. 0.8
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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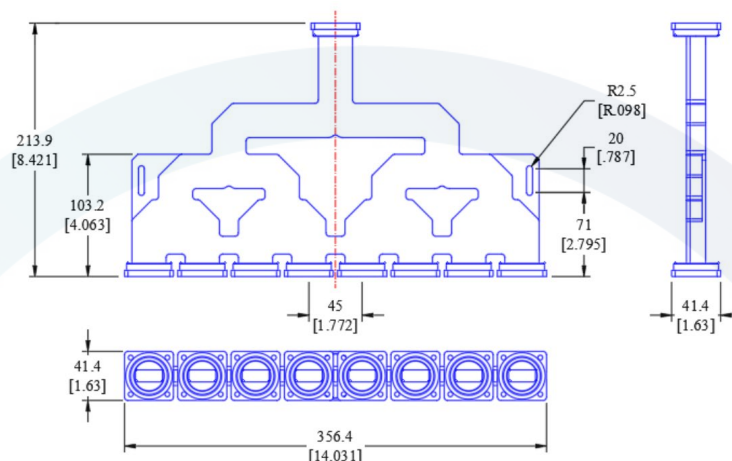
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Dimensions

Unit: mm[inch]



Note

* Specifications are subject to change without notice.

Option

1. SMA(F) to WR90 adapter
2. WR90 directional coupler
3. WR90 load
4. Conductive O-ring

Revision History

Part Number	Release Date	Version	Description	Data Sheet Status
RWT90-08C01	13 th Oct. 2021	0.1	1 st release	Preliminary

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