

Preliminary

Waveguide Combiner / Ku-BAND 8 way Combiner

RRW160-AB000

RFHIC

Product Features

- 8 way Combiner
- Waveguide Output Interface
- SMA Input Interface
- Integrated Directional Coupler

Applications

- Ku-band SSPA combining system
- Radar System



Description

The RIW160-AB000, 8 way combiner is designed for the high power SSPA combining application. The RIW160-AB000 was applied to RFHIC 500W SSPA.

Electrical Specifications

| PARAMETER | UNIT | SPECIFICATION |
|-----------------------------|------|----------------|
| Operating Band | - | Ku (500MHz BW) |
| Insertion Loss ¹ | dB | < 0.6 |
| Amplitude Balance | dB | ± 0.6 |
| Phase Balance | ° | ± 8 |
| Output VSWR | - | Max 1.5 : 1 |
| Coupling | dB | 56 ± 1 |
| Power handling each Input | kW | Peak 0.8 |

¹ This value includes adapter loss.

Mechanical Specifications

| PARAMETER | UNIT | VALUE |
|-----------------------------|------|-----------------------|
| Dimensions(W x D x H) | mm | 119.7 x 211.4 x 35.45 |
| RF Input / Output Interface | - | SMA(F) / WR62 |
| Weight | kg | Max. 0.5 |
| 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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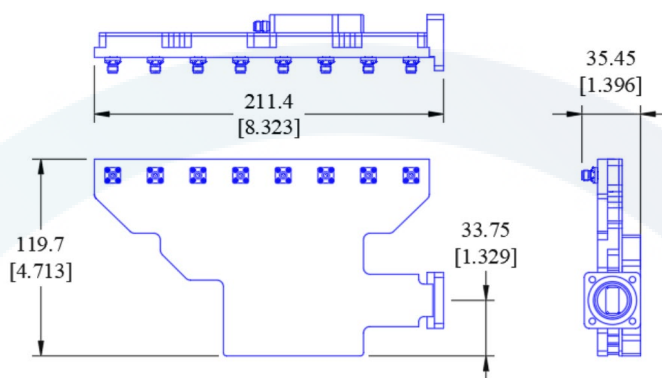
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Dimensions

Unit: mm[inch]



Note

* Specifications are subject to change without notice.

Option

1. SMA(F) to WR62 adapter
2. Conductive O-ring

Revision History

| Part Number | Release Date | Version | Description | Data Sheet Status |
|--------------|----------------------------|---------|-------------------------|-------------------|
| RRW160-AB000 | 14 th Oct. 2021 | 0.1 | 1 st release | Preliminary |
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