

**Preliminary**

## Waveguide Combiner / S-BAND 4 way Combiner

# RIW2425-6K-0

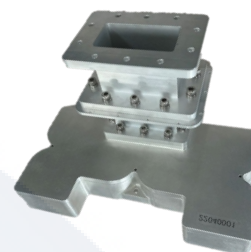
# RFHIC

### Product Features

- 4 way Combiner
- Waveguide output Interface
- DIN input Interface
- Integrated E bend

### Applications

- High power SSPA combining
- CVD M/W source combining
- M/W polymer processing
- M/W heating, dry & sintering



### Description

The RIW2425-6K-0, 4 way H plane combiner is designed for the high power SSPA combining application. The RIW2425-6K-0 was applied to RFHIC 6kW generators, RIU256K0-40TG each.

### Electrical Specifications

PARAMETER	UNIT	SPECIFICATION
Operating Frequency	GHz	2.4 ~ 2.5
Insertion Loss <sup>1</sup>	dB	< 0.3
Amplitude Balance	dB	± 0.2
Phase Balance	°	± 5
Output Return Loss	dB	Max. -21

<sup>1</sup> This value includes adapter loss.

### Mechanical Specifications

PARAMETER	UNIT	VALUE
Dimensions(W x D x H)	mm	288.1 x 173.4 x 185.2
RF Input / Output Interface	-	DIN(M) / WR340
Weight	kg	Max. 3.5
Material / Surface finish	-	Al / Chromate



#### Certification

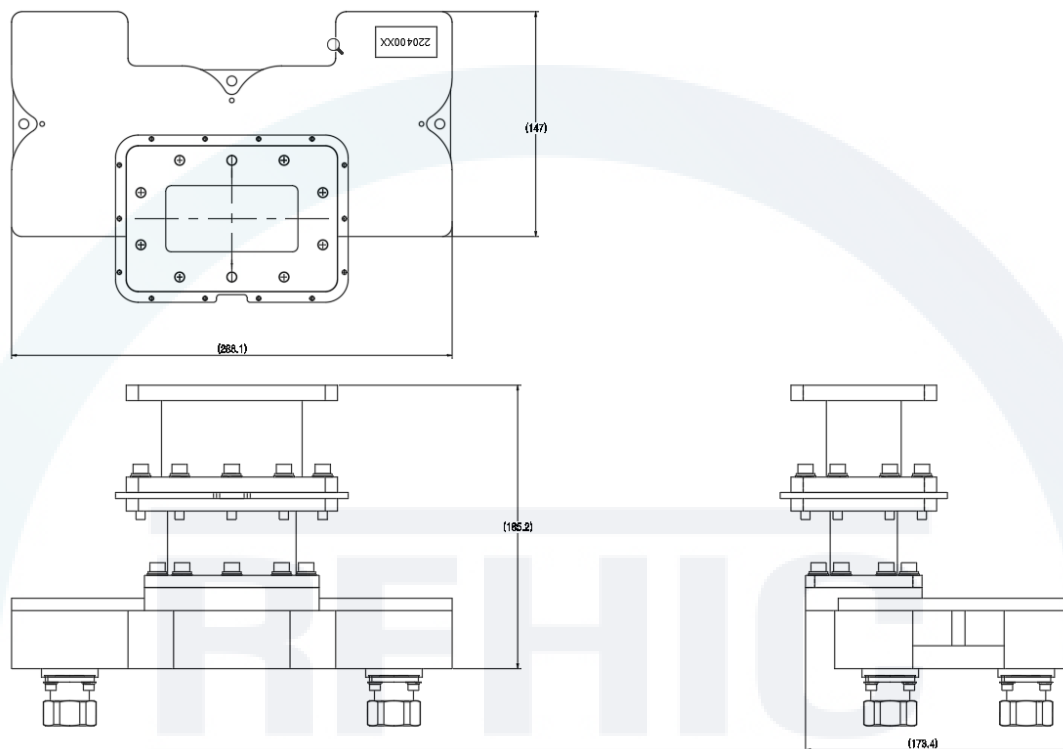
This product is manufactured by a company that is certified for the AS9100D quality management system.

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**Dimensions**

Unit: mm[inch]



**Note**

\* Specifications are subject to change without notice.

**Revision History**

Part Number	Release Date	Version	Description	Data Sheet Status
RIW2425-6K-0	12 <sup>th</sup> Jan. 2022	0.1	1 <sup>st</sup> release	Preliminary

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