

Preliminary

Gysel Combiner/ 915MHz 8 way Combiner

RIW0915K

RFHIC

Product Features

- 8 way combiner with directional couplers
- DIN(F) / WR975 interface
- High isolation
- Water cooling

Applications

- High power SSPA combining
- CVD M/W source combining
- Plasma M/W source combining
- Microwave heating, dry & sintering



Description

The RIW0915K, 8 way Gysel combiner is designed for the high power SSPA combining application. The RIW0915K is adopted for RFHIC CVD equipment.

Electrical Specifications

PARAMETER	UNIT	SPECIFICATION
Operating Frequency	MHz	900 ~ 930
Insertion Loss ¹	dB	< 0.3, typ 0.2
Amplitude Balance	dB	± 0.3
Phase Balance	°	± 5
Output VSWR	-	< 1.2 : 1
Isolation	dB	25
Coupling	dB	60 ± 1
Power handling each Input	kW	CW 2

¹ This value includes adapter loss.

Mechanical Specifications

PARAMETER	UNIT	VALUE
Dimensions	mm	336.6 x 727.9 x 279
RF Input / Output Interface	-	DIN(F) / 4-1/16
Weight	kg	Max. 23
Water cooling interface		1/4PT
Material / Surface finish	-	Al / Chromate



Certification

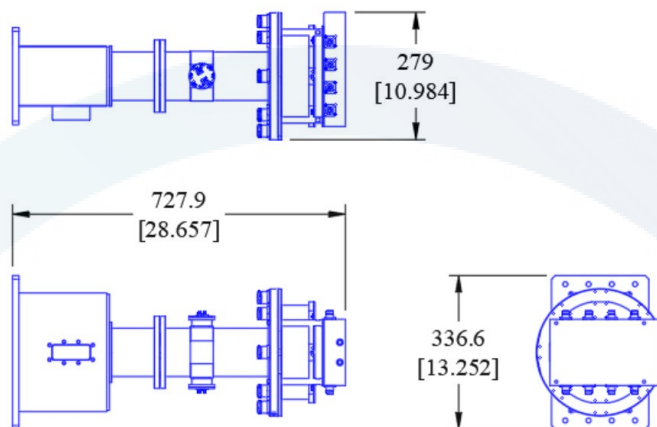
This product is manufactured by a company that is certified for the AS9100D quality management system.

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Dimensions

Unit: mm[inch]



Note

* Specifications are subject to change without notice.

Option

1. 4-1/16 to WR975 adapter
2. Din(F) to WR975 adapter
3. WR975 directional coupler
4. Mounting fixture for 19" Rack

Revision History

Part Number	Release Date	Version	Description	Data Sheet Status
RIW0915K	18 th Oct. 2021	0.1	1 st release	Preliminary

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