

Preliminary

Gysel Combiner/ 915MHz 16 way Combiner

RIW0930K

RFHIC

Product Features

- 16 way combiner with directional coupler
- 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 RIW0930K, 16 way Gysel combiner is designed for the high power SSPA combining application. The RIW0930K was applied to RFHIC 30kW/60kW Generators, RIK0930K-40TG & RIK0960K-40TD.

Electrical Specifications

PARAMETER	UNIT	SPECIFICATION
Operating Frequency	MHz	900 ~ 930
Insertion Loss	dB	< 0.3, typ 0.2
Amplitude Balance	dB	± 0.3
Phase Balance	°	± 5.0
Output Return Loss	dB	< -19
Isolation	dB	< -30
Coupling	dB	-60 ± 1
Power handling each Input	kW	< CW 2

Mechanical Specifications

PARAMETER	UNIT	VALUE
Dimensions(W x D x H)	mm	336.6 x 747.24 x 279
RF Input / Output Interface	-	DIN(F) / WR975
Weight	kg	Max. 35
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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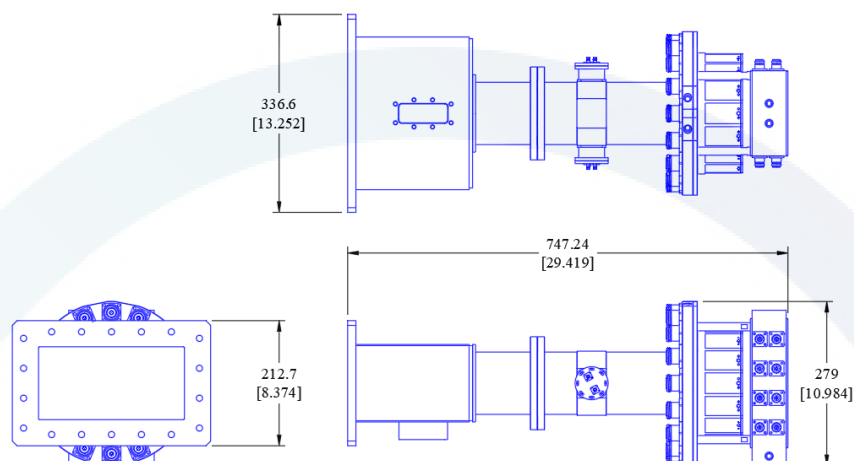
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Dimensions

Unit: mm[inch]



Note

* Specifications are subject to change without notice.

Revision History

Part Number	Release Date	Version	Description	Data Sheet Status
RIW0930K	13 th Oct. 2021	0.1	1 st release	Preliminary

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