Preliminary

Waveguide Directional Coupler

RWCL1800-60DT1

Product Features

- WR1800 dual directional coupler
- High directivity

Applications

- High power SSPA test
- Accelerator application

Description

The RWCL1800-60DT1 is designed for the high power SSPA test application.

Electrical Specifications

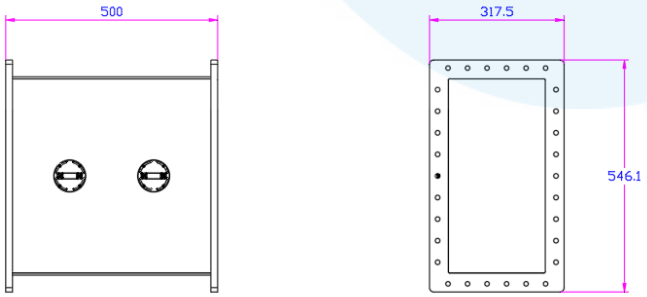
PARAMETER	UNIT	SPECIFICATION
Operating Frequency	MHz	500 ± 1
Insertion Loss	dB	< 0.1
Waveguide VSWR	-	< 1.06 : 1
Coupling	dB	60 ± 1
Directivity	dB	> 35

Mechanical Specifications

PARAMETER	UNIT	VALUE
Dimensions	mm	500 x 317.5 x 546.1
Waveguide	-	WR1800
Coupling port interface	-	SMA
Material	-	Al / Cu

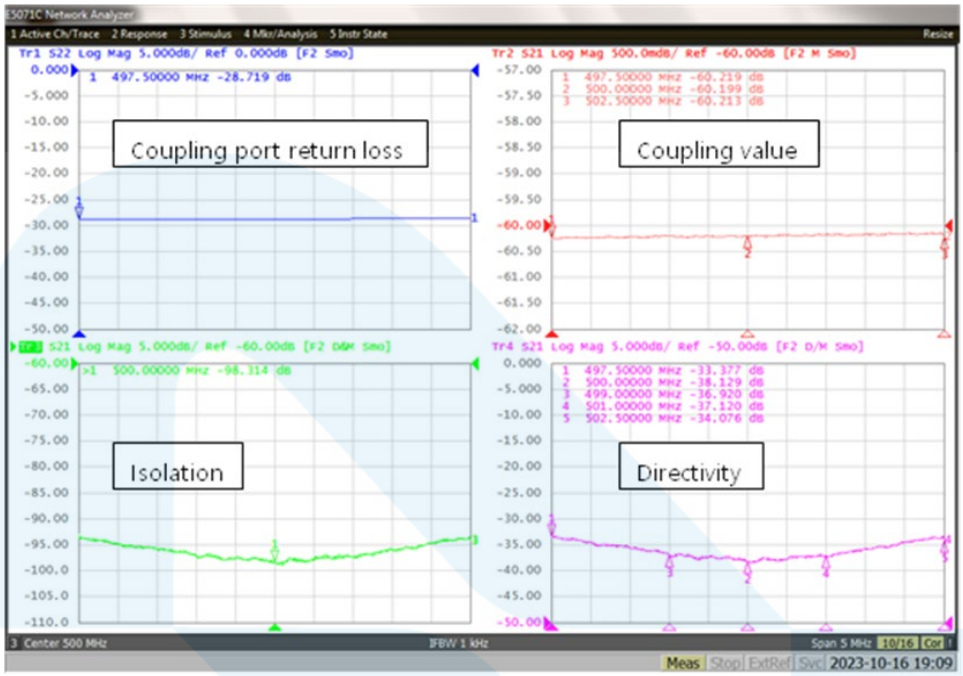
Dimensions

Unit: mm



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

Typical data



Option

1. WR1800 to N adapter
2. N to SMA adapter
3. N type termination
4. SMA type termination

Revision History

Part Number	Release Date	Version	Description	Data Sheet Status
RWCL1800-60DT1	176 Oct. 2023	0.1	1st release	Preliminary

Certification

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