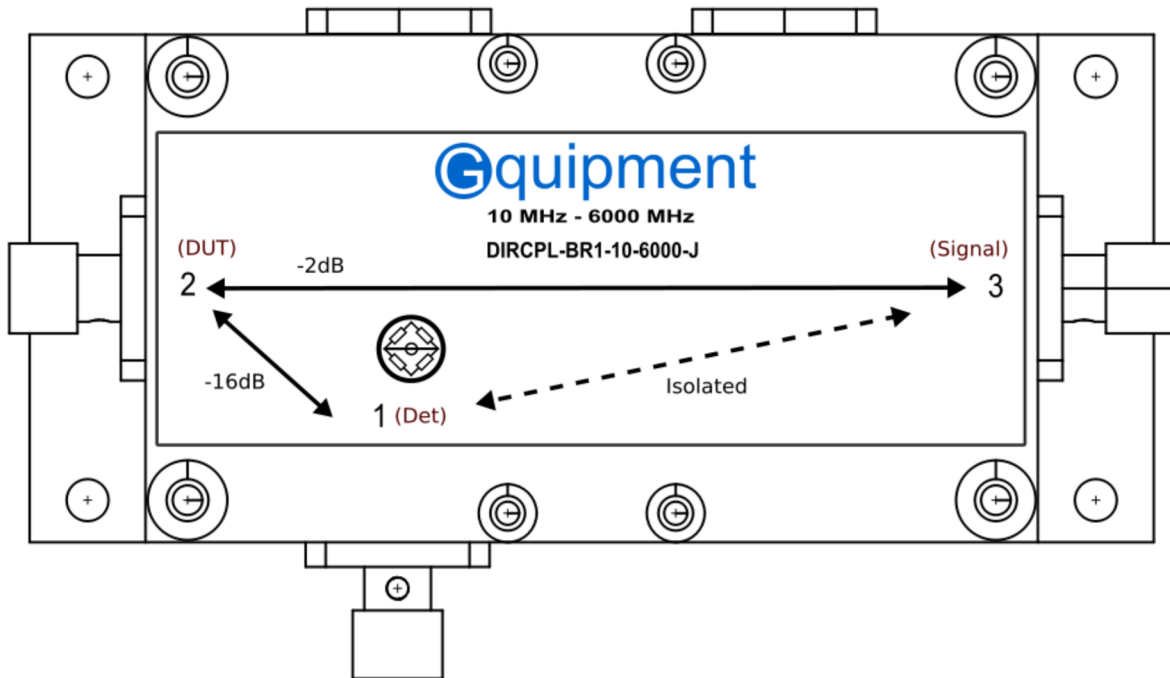


DIRCPL-BR1-16-10-6000-J-XX Directional Coupler, 16 dB coupling



Features

- Directional coupler
- Frequency range : 10 - 6000 MHz
- Coupling : 16 dB
- Insertion loss : 2 dB
- High Directivity : -30 dB (typical)
- 3 SMA ports
- Solid aluminium case
- RoHS compliant

The coupler has a flat insertion loss and coupling. Directivity is around -30 dB. Its a broadband device with a range of 10 MHz to 6 GHz.

The unit is designed for 50 ohm systems. It is housed in a milled aluminium enclosure.

Applications

- Incident and reflected power measurements
- Test and measurement equipment

General description

This three port device samples incident or reflected power without disturbing the transmission line (P2–P3). The DUT is connected to port 2.

Specifications

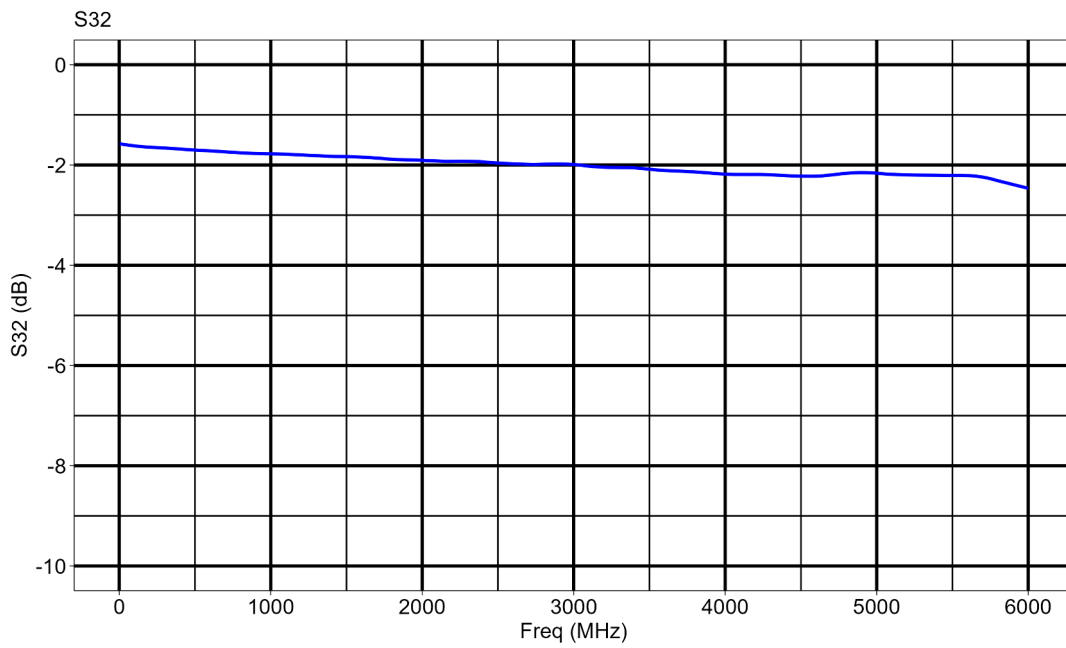
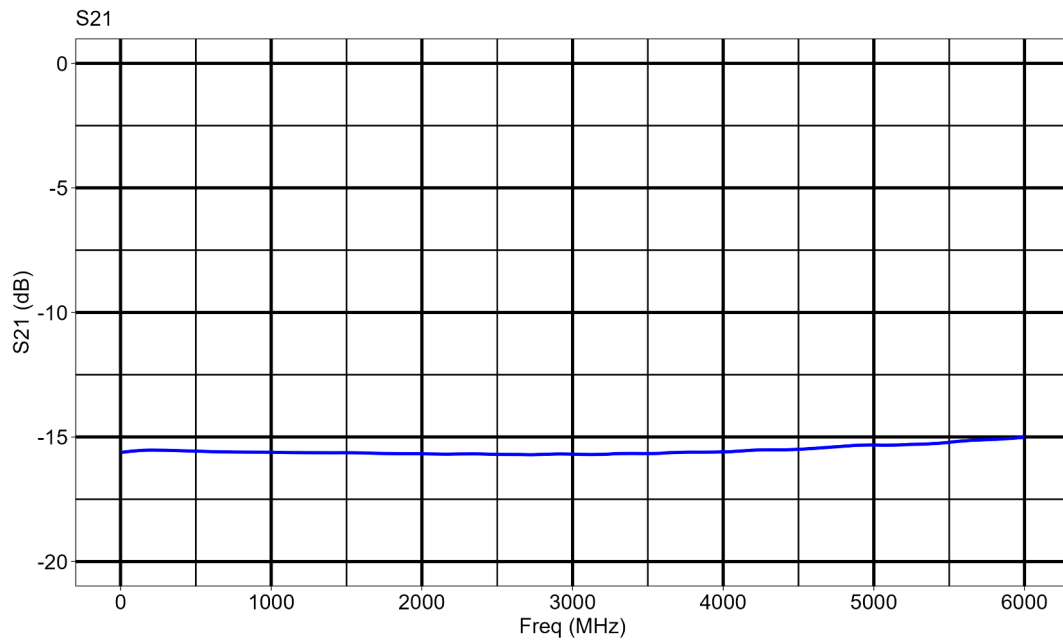
General

Item	Value	Tolerance	Dimension
Directivity (typical)	-30		dB
Maximum signal power	20	-	dBm
Number of (female) SMA connector ports	3	-	-
Weight	0.06		kg
Outer dimensions (width x depth x height)	61.6 x 35 x 20.4	0.1	mm

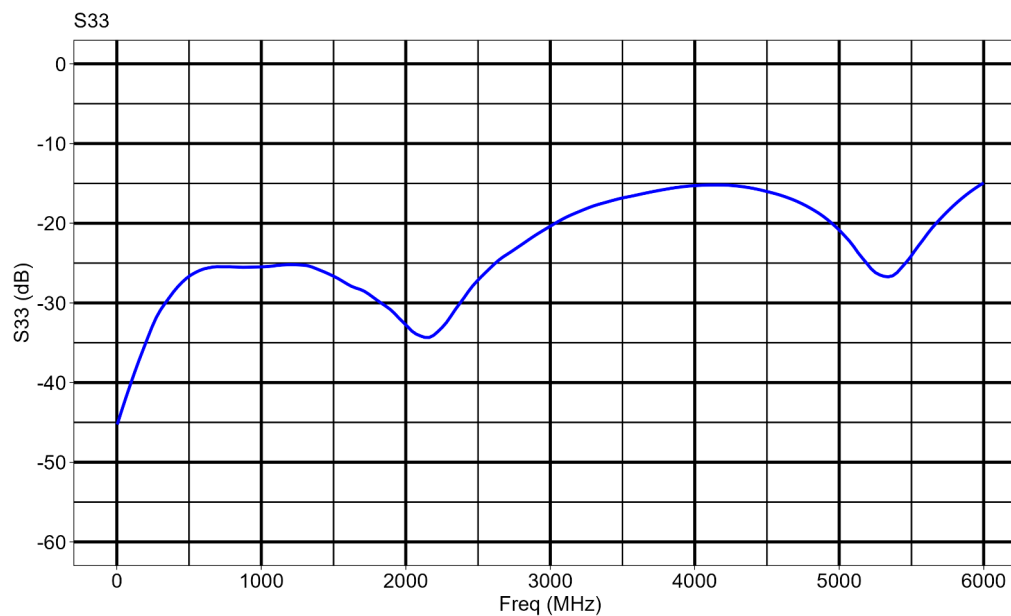
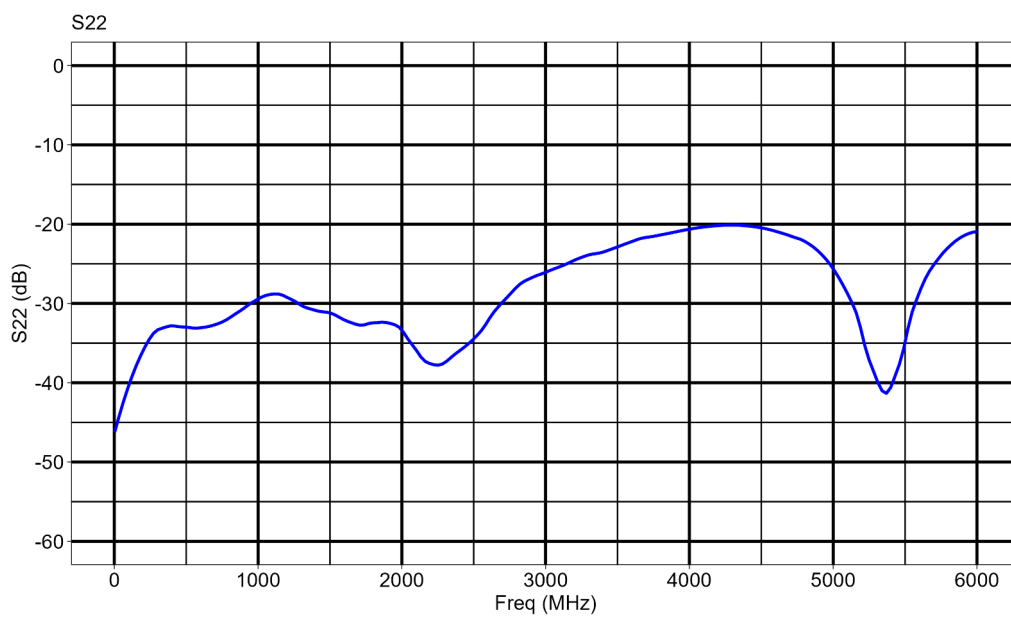
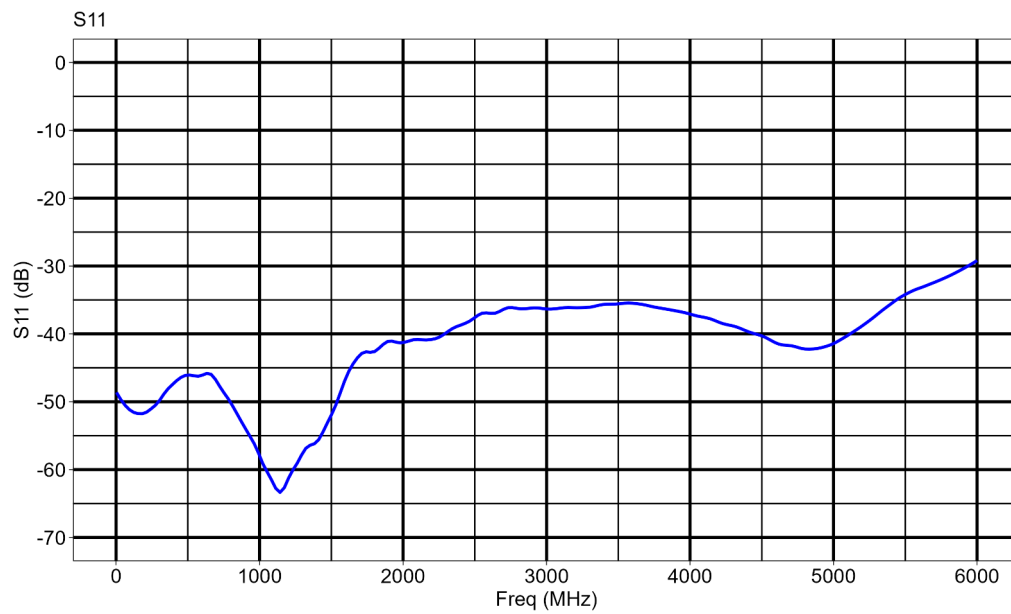
Versions

Type	Feature
DIRCPL-BR1-16-10-6000-J-NF	Box without mounting flange
DIRCPL-BR1-16-10-6000-J-YF	Box with mounting flange

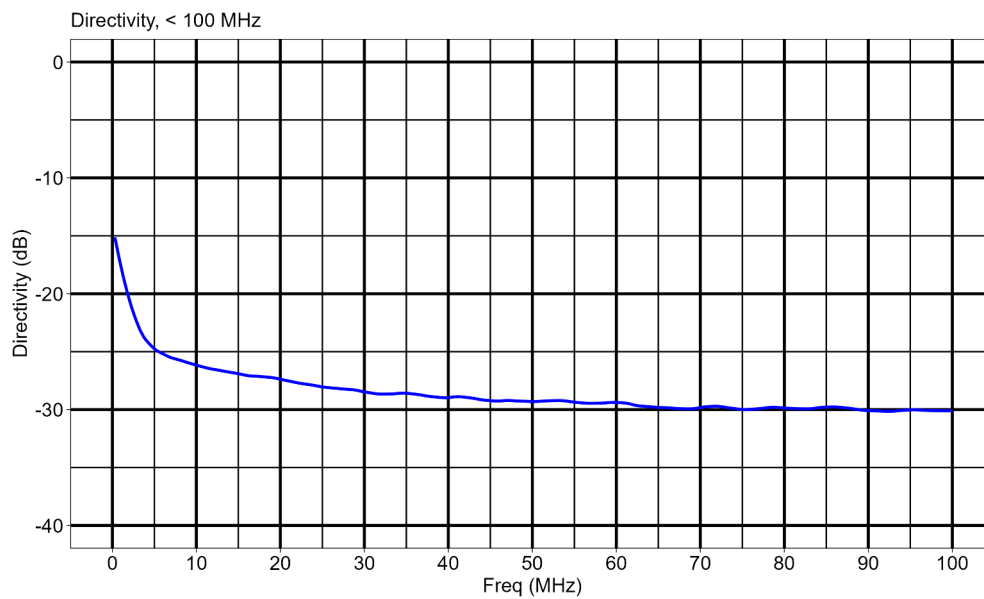
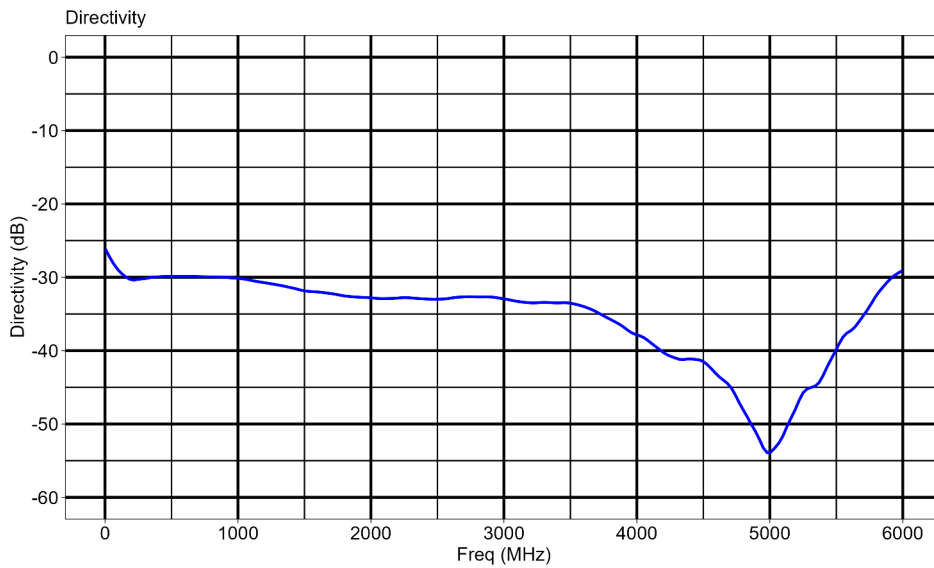
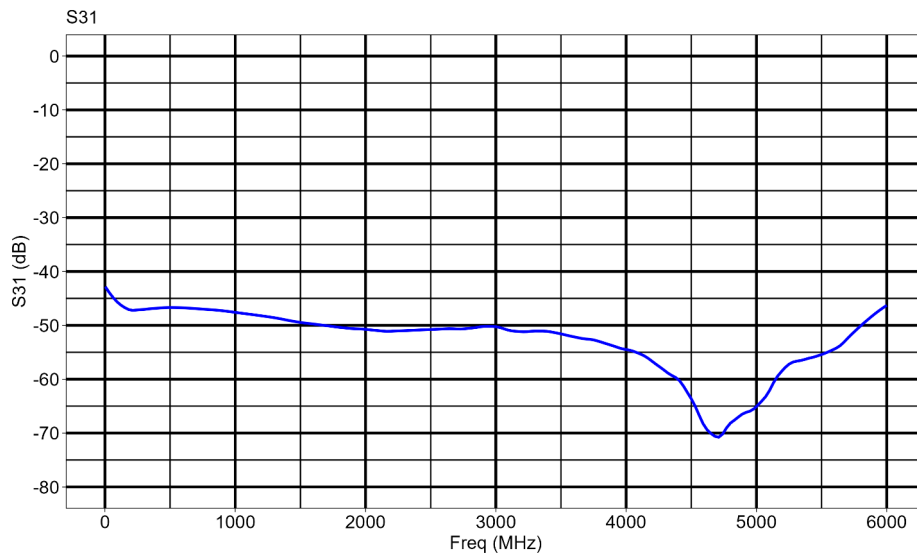
S-parameters



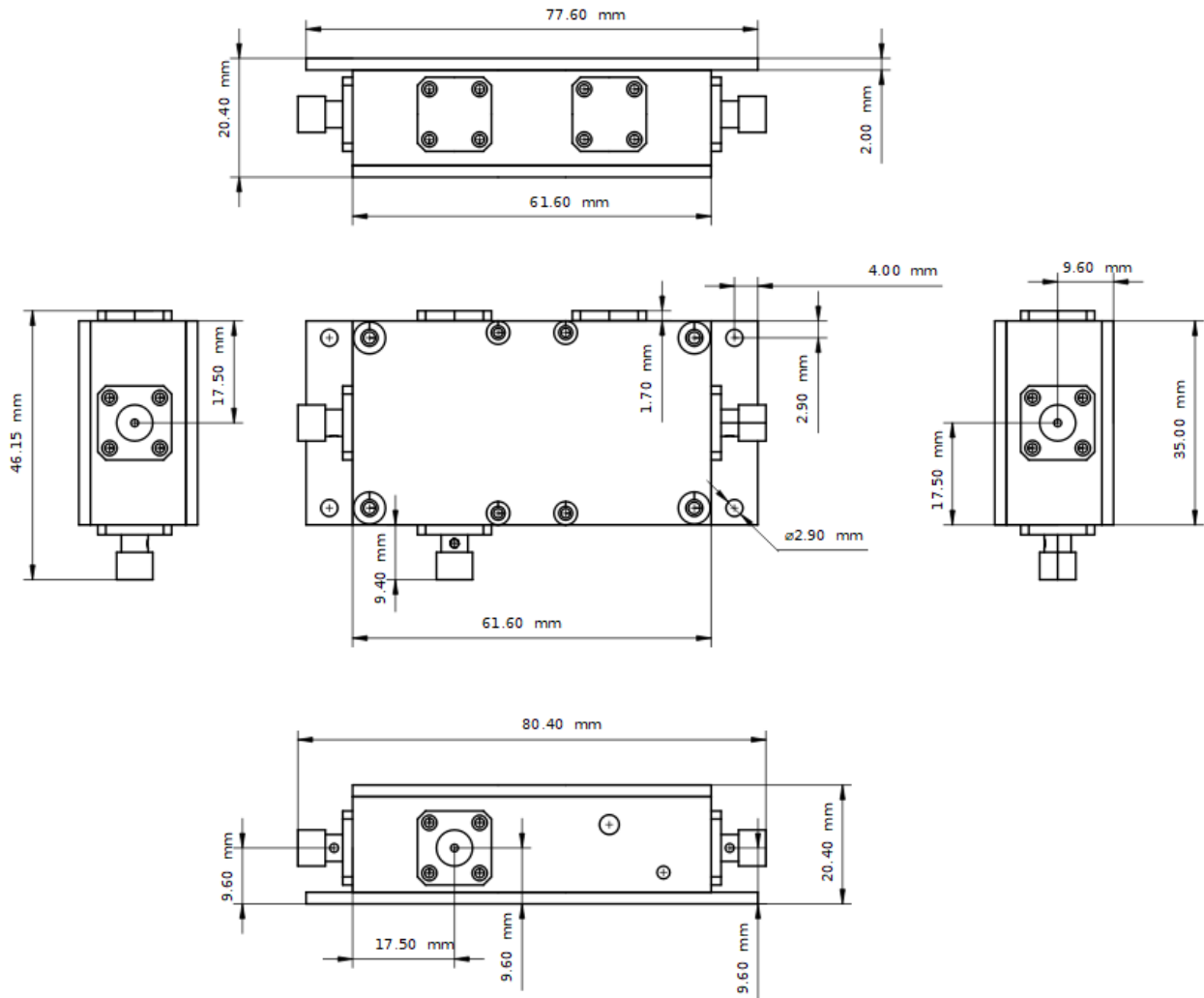
S-parameters (continued)



S-parameters (continued)



Mechanical Drawings



Note1 : All measures in mm. Tolerance : 0.1 mm.

Note2 : Drawing shows the DIRCPL-BR1-16-10-6000-J-YF version only. However, all dimension for the version DIRCPL-BR1-16-10-6000-J-NF are identical with the exception of the mounting flanges at the bottom side of the box, which don't exist in the '-NF version.



Revision history

Revision	Status	Date
001	Released	January 10, 2025

Legal

Specifications are subject to change without notice.

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