

# Coaxial Isolator

## ACI43.5G45.5G12

### Revision record

Date	Version	Author	Revision description	Comment
2024/11/11	V1.1	Zhou	Created	/

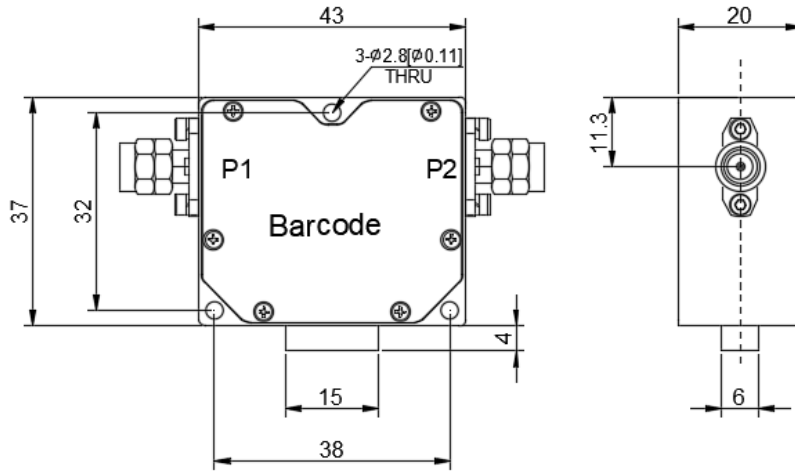
### Electrical specification

Parameter	Specification
Frequency range	43.5-45.5GHz
Insertion loss	P1→P2: 1.5dB max(1.2 dB Typical) @25°C P1→P2: 2.0dB max(1.6 dB Typical) @ -40 °C to +80°C
Isolation	P2→P1: 14dB min(15 dB Typical) @25°C P2→P1: 12dB min(13 dB Typical) @ -40 °C to +80°C
VSWR	1.6 max(1.5 Typical) @25°C 1.7 max(1.6 Typical) @-40 °C to +80°C
Forward Power/ Reverse Power	10W/1W
Direction	clockwise
Operating Temperature	-40 °C to +80°C

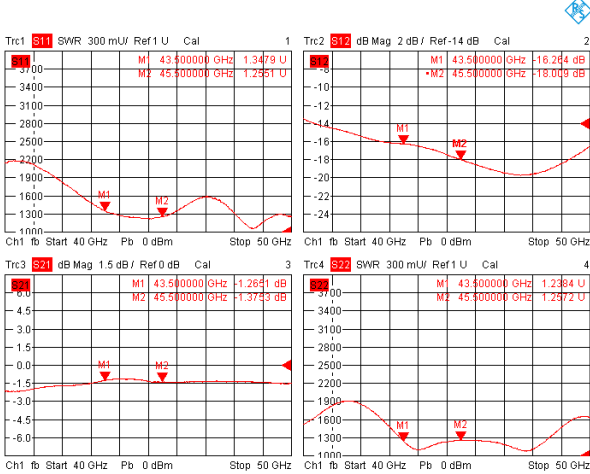
### Mechanical specification

Parameter	Specification
Dimension	L x W x H: 43mm x 37mm x 20mm
Connector Type	Input / Output :2.4mm-male
Notes	Material shall be RoHS 6/6

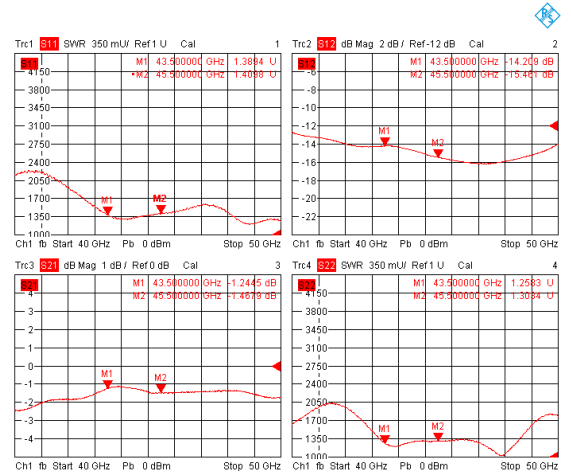
Outline



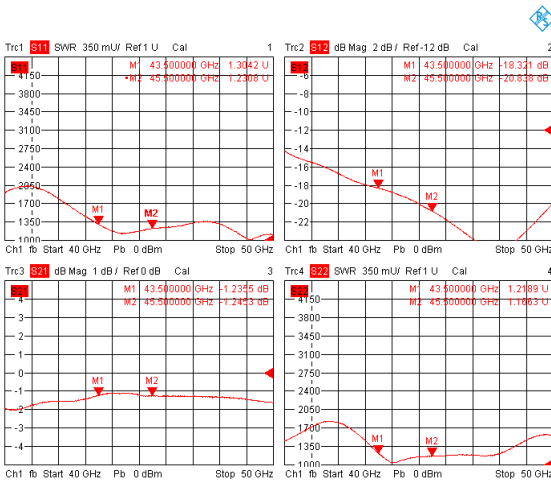
Test curve



the test curve of 25°C



the test curve of 80°C



the test curve of -40°C