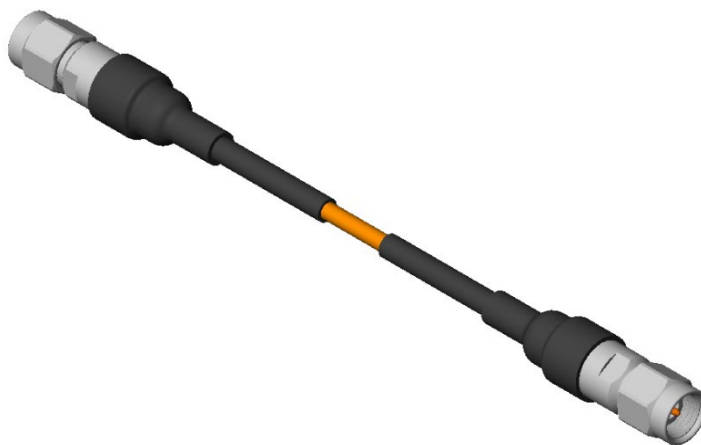




RF Characterization Report

LL071-92SP-92SP-XXXX



Test Date: Sep 2025

Description:

**71 GHz High-Performance Microwave Cable Assembly
2.92mm Plug End Option**



Series: LL071

Description: 71 GHz, Nitrowave™ High-Performance Microwave Cable Assembly,
2.92 mm Plug End Option

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Series: LL071

Description: 71 GHz, Nitrowave™ High-Performance Microwave Cable Assembly,
2.92 mm Plug End Option

Test Setup Information

Scope:

Provide standing wave ratio, return loss and insertion loss performance parameters for LL071 high frequency RF cable assembly with 2.92 mm Plug end option.

Instrument Setup & Test Accessories:

Network Analyzer	Keysight PNA N5227B
Averaging Factor	1
Smoothing	Off
IF Bandwidth	1 KHz
Sweep Start	10 MHz
Sweep End	43.5 GHz
Points	4350
Test Cables	Gore 0F0CACB036.0-LF (DC to 67 GHz)

Calibration Type:

A Keysight mechanical calibration is performed for N5227B using the Keysight ECAL N4694A.

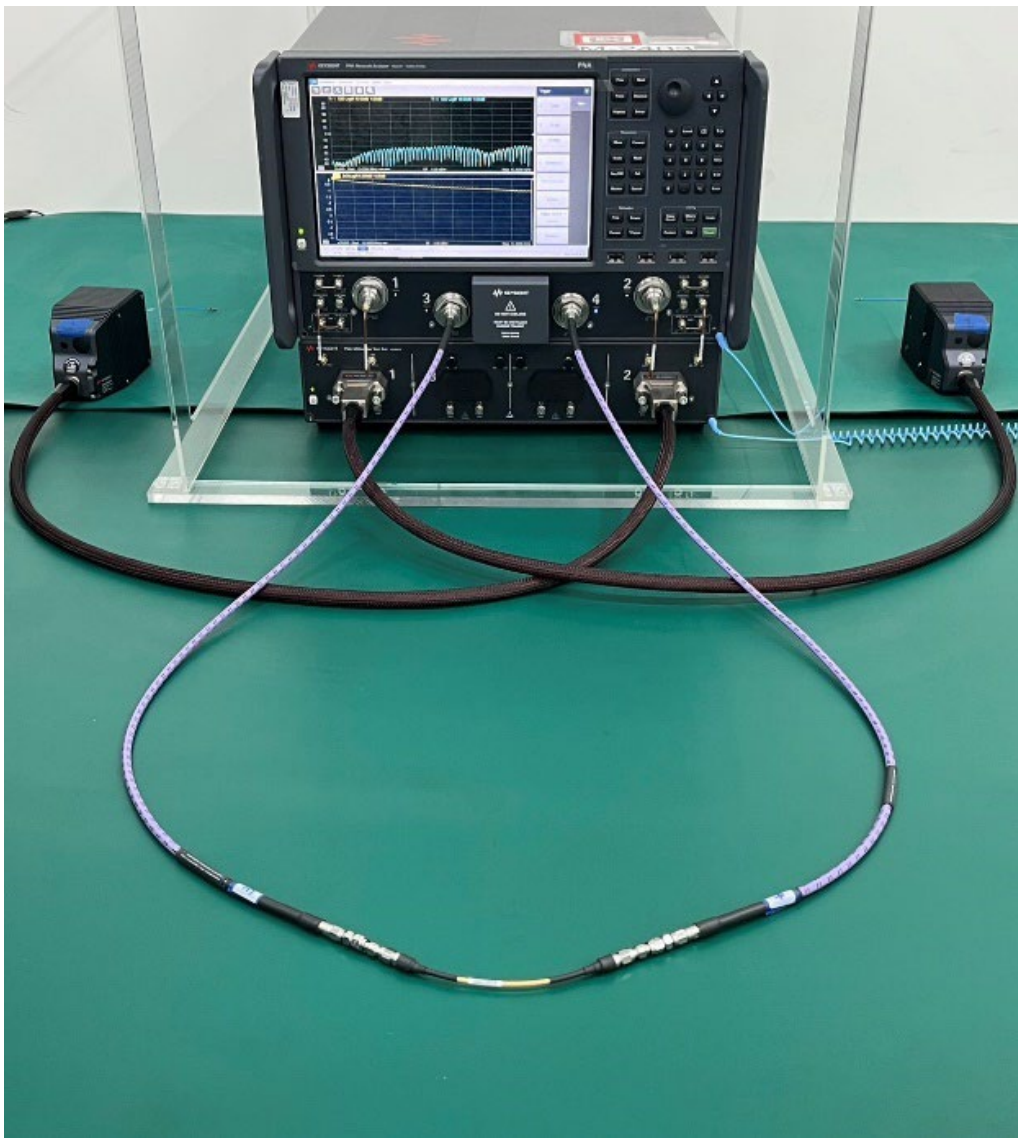
Calibration Kit	Keysight ECAL N4694A
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Adapter Use:

Bojing 1.85mm jack to 2.92mm jack adapters were used for the measurements. The adapter effects were removed from the measurement using the Fixture Removal method.

Series: LL071**Description:** 71 GHz, Nitrowave™ High-Performance Microwave Cable Assembly,
2.92 mm Plug End Option**LL071-92SP-92SP-XXXX Test Definition**

Part Number	End 1	End 2
LL071-92SP-92SP-0152	2.92 mm Plug	2.92 mm Plug
LL071-92SP-92SP-1000	2.92 mm Plug	2.92 mm Plug

Cable Assembly Under Test:

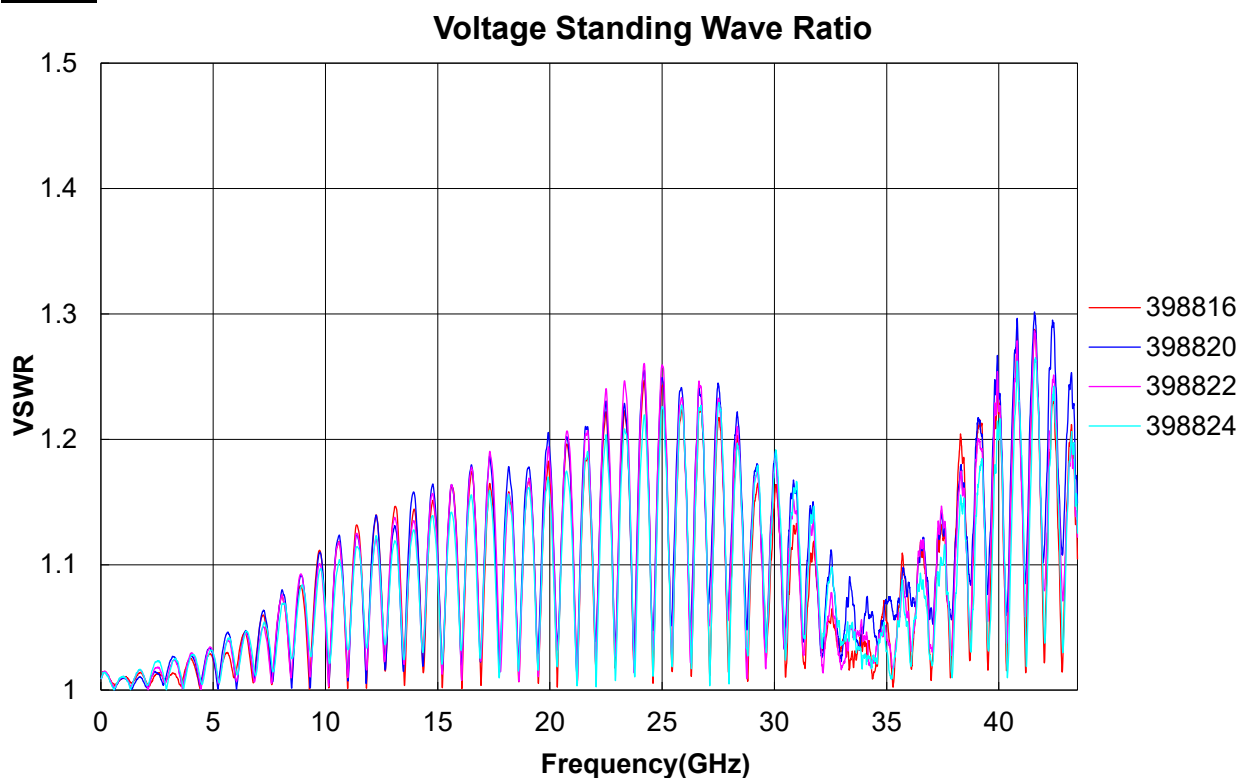
Series: LL071

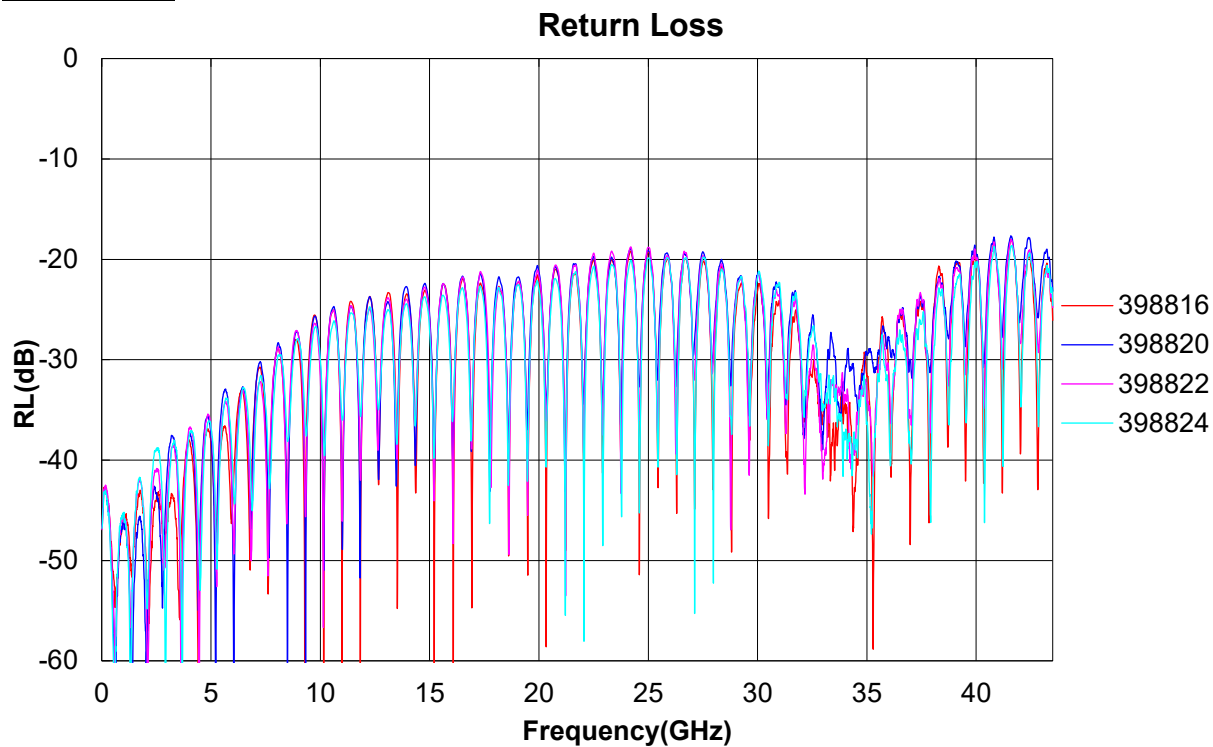
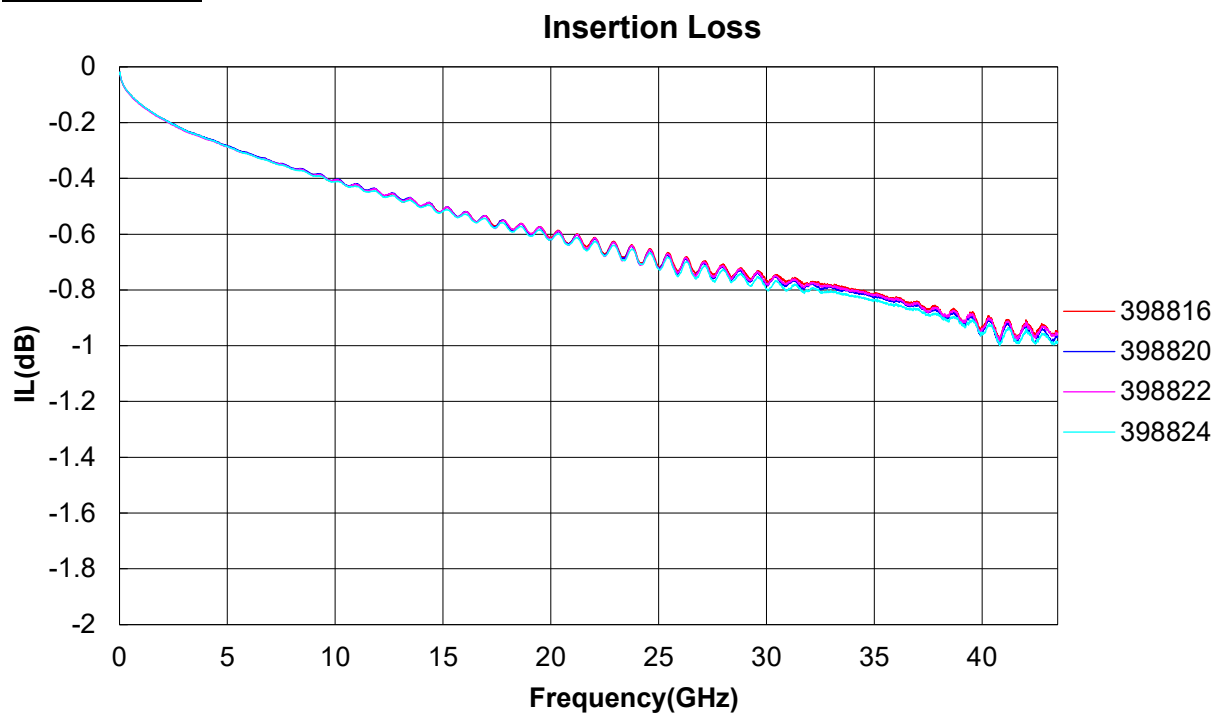
Description: 71 GHz, Nitrowave™ High-Performance Microwave Cable Assembly,
2.92 mm Plug End Option

Results: LL071-92SP-92SP-0152

Description: LL071 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL (dB, max)	IL(dB, min)
398816	1.29@41.59GHz	-18.01@41.59GHz	-0.98@40.81GHz
398820	1.30@41.59GHz	-17.65@41.59GHz	-0.99@40.78GHz
398822	1.29@41.59GHz	-18.04@41.59GHz	-0.98@40.81GHz
398824	1.27@41.63GHz	-18.63@41.63GHz	-1.00@40.81GHz

VSWR



Series: LL071**Description:** 71 GHz, Nitrowave™ High-Performance Microwave Cable Assembly,
2.92 mm Plug End Option**Return Loss****Insertion Loss**

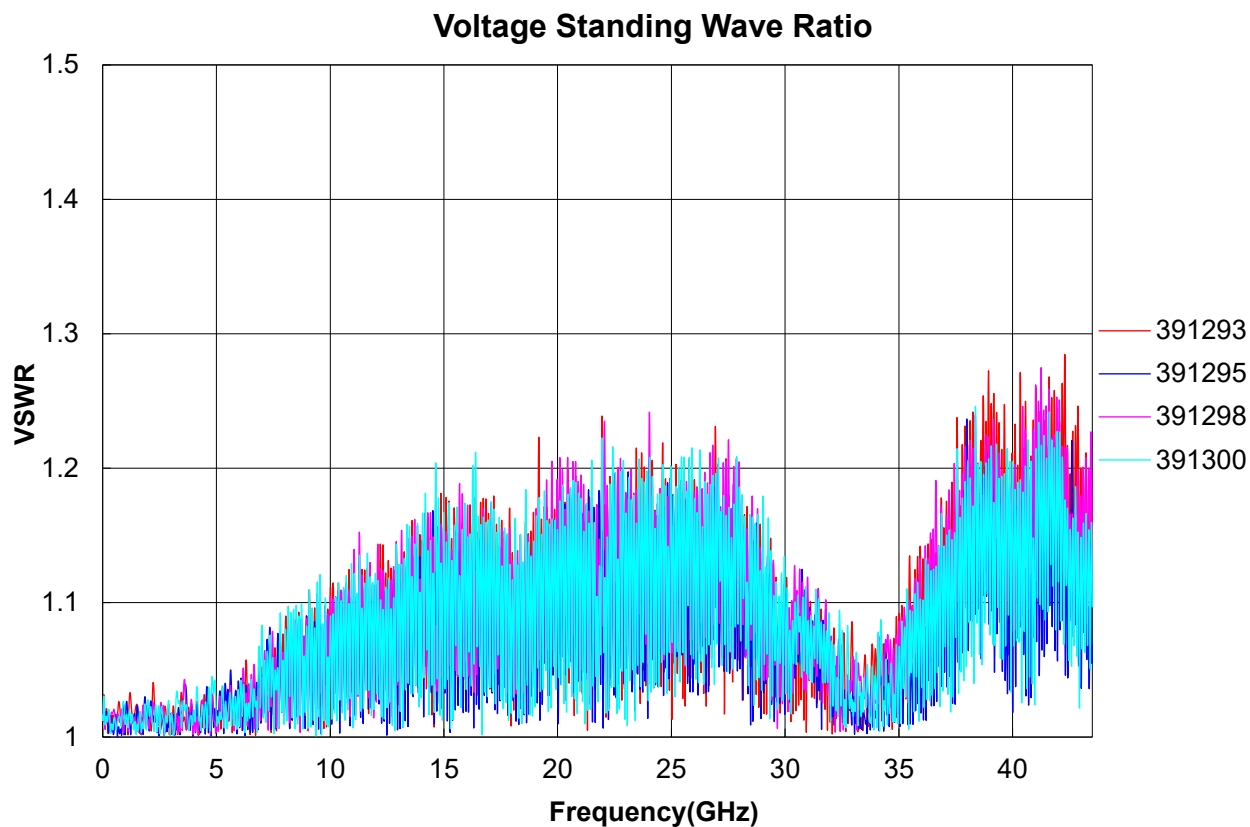
Series: LL071

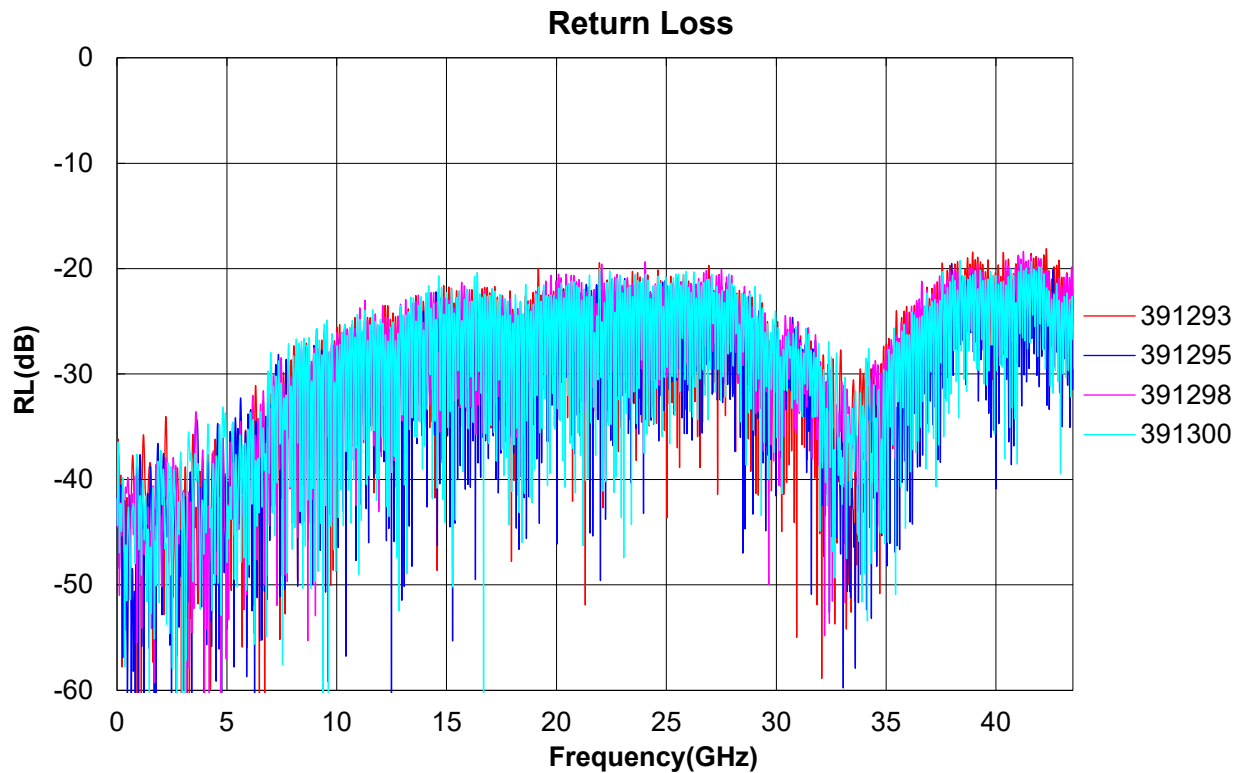
Description: 71 GHz, Nitrowave™ High-Performance Microwave Cable Assembly,
2.92 mm Plug End Option

Results: LL071-92SP-92SP-1000

Description: LL071 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL (dB, max)	IL(dB, min)
391293	1.28@42.29GHz	-18.09@42.29GHz	-4.68@43.46GHz
391295	1.24@37.98GHz	-19.51@37.98GHz	-4.68@43.43GHz
391298	1.27@41.25GHz	-18.36@41.25GHz	-4.67@43.45GHz
391300	1.25@38.36GHz	-19.21@38.36GHz	-4.66@43.48GHz

VSWR



Series: LL071**Description:** 71 GHz, Nitrowave™ High-Performance Microwave Cable Assembly,
2.92 mm Plug End Option**Return Loss****Insertion Loss**