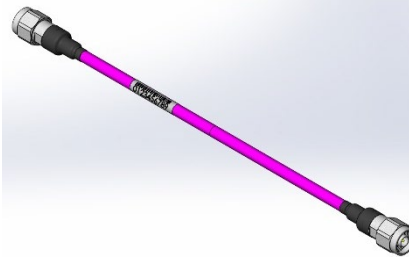


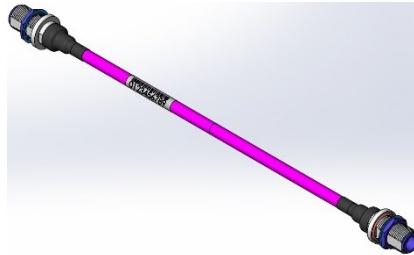


RF Characterization Report

RF280-06SP-06SP-XXXX



RF280-06BJ-06BJ-XXXX



RF280-06RP-06RP-XXXX



Test Date: Mar 2022

Description:
50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
NTPE End Options

Series: RF280**Description:** 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
NTPE End Options

Table of Contents

Test Setup Information	1
Scope:	1
Instrument Setup & Test Accessories:.....	1
Calibration Type:.....	1
Adapter Use:.....	1
RF280-06XX-06XX-XXXX Test Definition	2
Cable Under Test:.....	2
Results: RF280-06SP-06SP-0152	3
VSWR	3
Return Loss	4
Insertion Loss.....	4
Results: RF280-06SP-06SP-1000	5
VSWR	5
Return Loss.....	6
Insertion Loss.....	6
Results: RF280-06BJ-06BJ-0152	7
VSWR	7
Return Loss	8
Insertion Loss.....	8
Results: RF280-06BJ-06BJ-1000	9
VSWR	9
Return Loss.....	10
Insertion Loss.....	10
Results: RF280-06RP-06RP-0152.....	11
VSWR	11
Return Loss.....	12
Insertion Loss.....	12
Results: RF280-06RP-06RP-1000.....	13
VSWR	13
Return Loss	14
Insertion Loss.....	14

Series: RF280

Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
NTPE End Options

Test Setup Information

Scope:

Provide standing wave ratio, return loss and insertion loss performance parameters for RF280 RF cable assembly.

Instrument Setup & Test Accessories:

Network Analyzer	Keysight PNA N5227B
Averaging Factor	1
Smoothing	Off
IF Bandwidth	1 KHz
Sweep Start	10 MHz
Sweep End	18 GHz
Points	1800
Test Cables	Gore 0F0CACB036.0-LF(DC to 67 GHz)

Calibration Type:

A Keysight mechanical calibration is performed for N5227B using the Maury MCAL 8850CK51 kit.

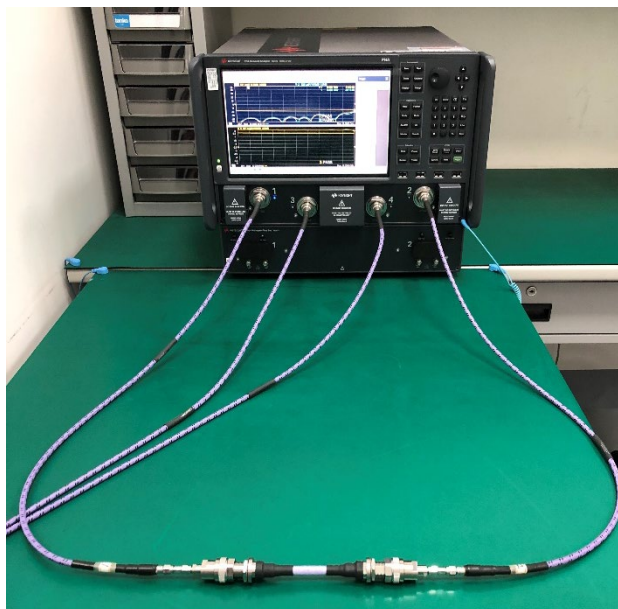
Calibration Kit	Maury MCAL 8850CK51
-----------------	---------------------

Adapter Use:

3.5 mm female to N type female (Maury 8023A1) and 3.5 mm female to N type male (Maury 8023B1) adapters were used for the measurements of RF280-06SP-06SP-XXXX, RF280-06BJ-06BJ-XXXX and RF280-06RP-06RP-XXXX. The adapter effects were removed by calibration, so no adapter effects included in the results.

Series: RF280**Description:** 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
NTPE End Options**RF280-06XX-06XX-XXXX Test Definition**

Part Number	End 1	End 2
RF280-06SP-06SP-XXXX	N Type Straight Plug	N Type Straight Plug
RF280-06BJ-06BJ-XXXX	N Type Straight Bulkhead Jack	N Type Straight Bulkhead Jack
RF280-06RP-06RP-XXXX	N Type Right-angle Plug	N Type Right-angle Plug

Cable Under Test:

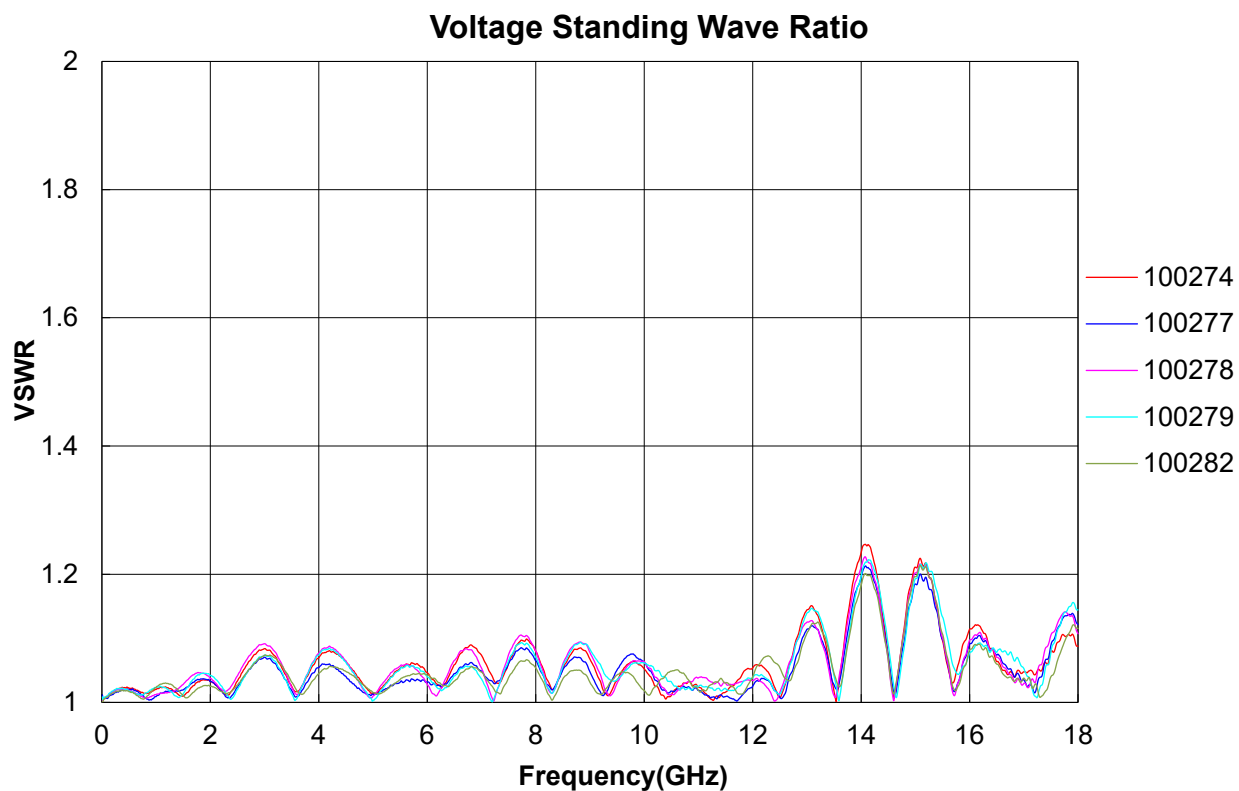
Series: RF280

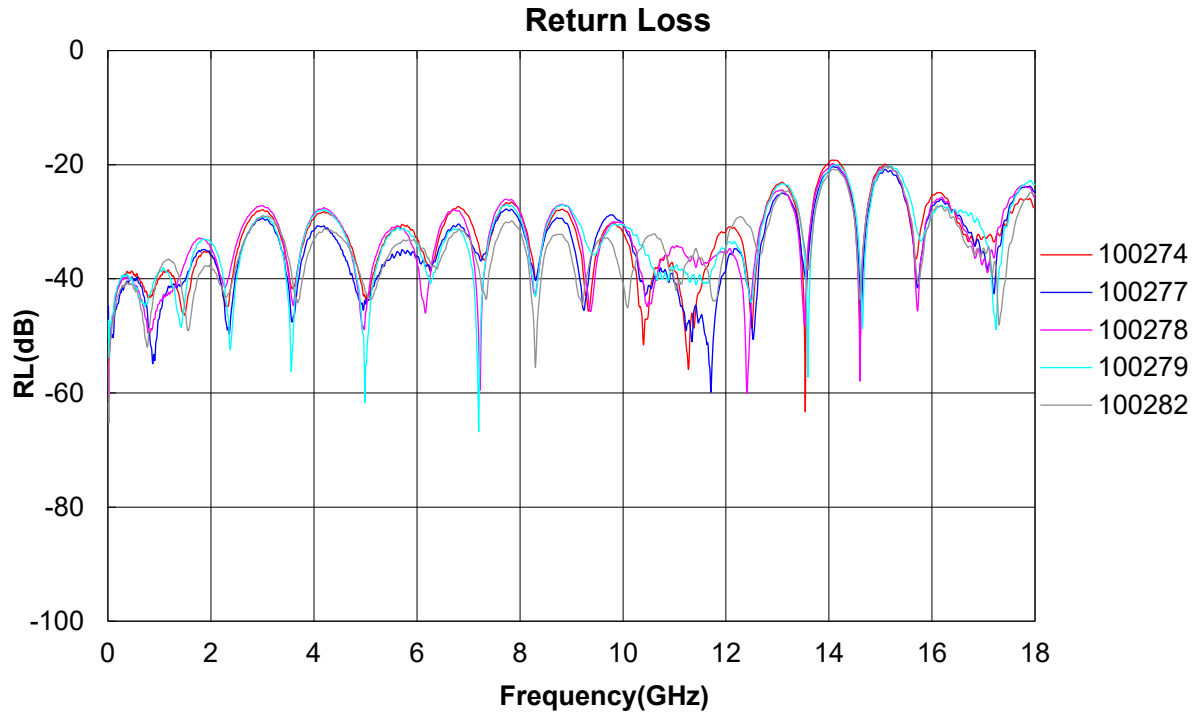
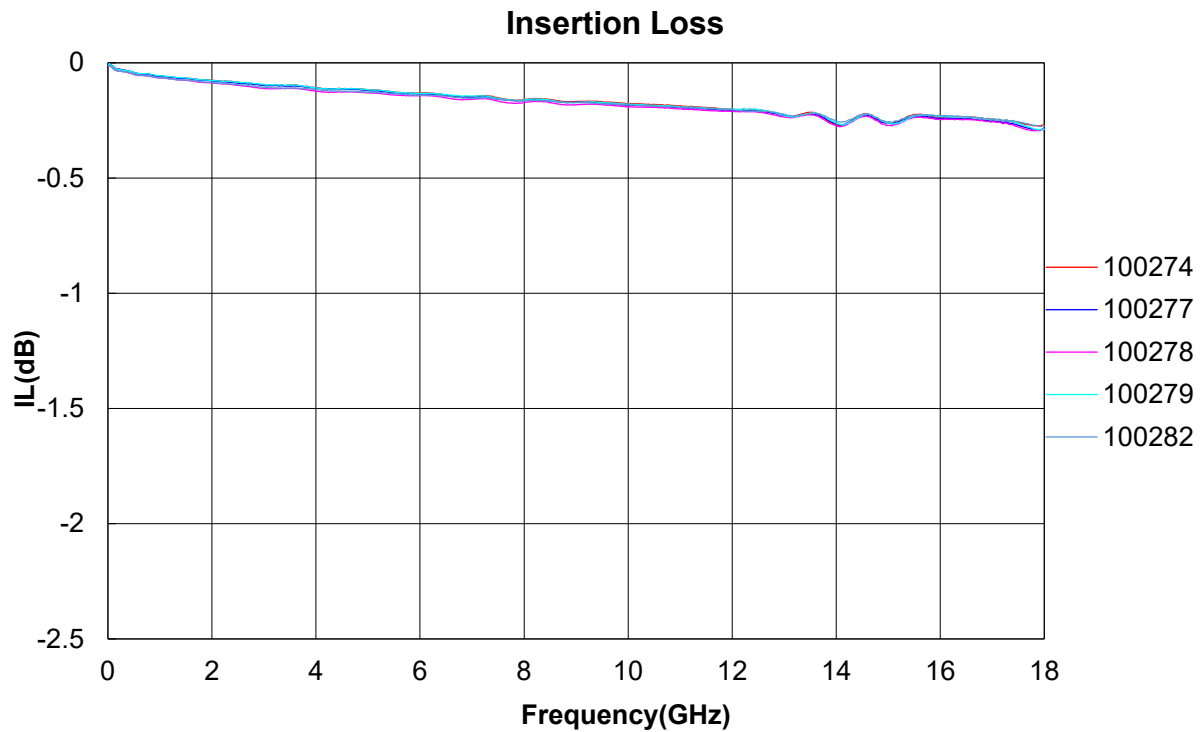
Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
NTPE End Options

Results: RF280-06SP-06SP-0152

Description: RF280 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
100274	1.25 @ 14.08 GHz	-19.19 @ 14.08 GHz	-0.27 dB @ 14.12 GHz
100277	1.21 @ 14.08 GHz	-20.34 @ 14.08 GHz	-0.29 dB @ 17.93 GHz
100278	1.23 @ 14.07 GHz	-19.83 @ 14.07 GHz	-0.30 dB @ 17.80 GHz
100279	1.22 @ 14.14 GHz	-19.99 @ 14.14 GHz	-0.29 dB @ 17.94 GHz
100282	1.21 @ 15.09 GHz	-20.31 @ 15.09 GHz	-0.28 dB @ 17.93 GHz

VSWR



Series: RF280**Description:** 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
NTPE End OptionsReturn LossInsertion Loss

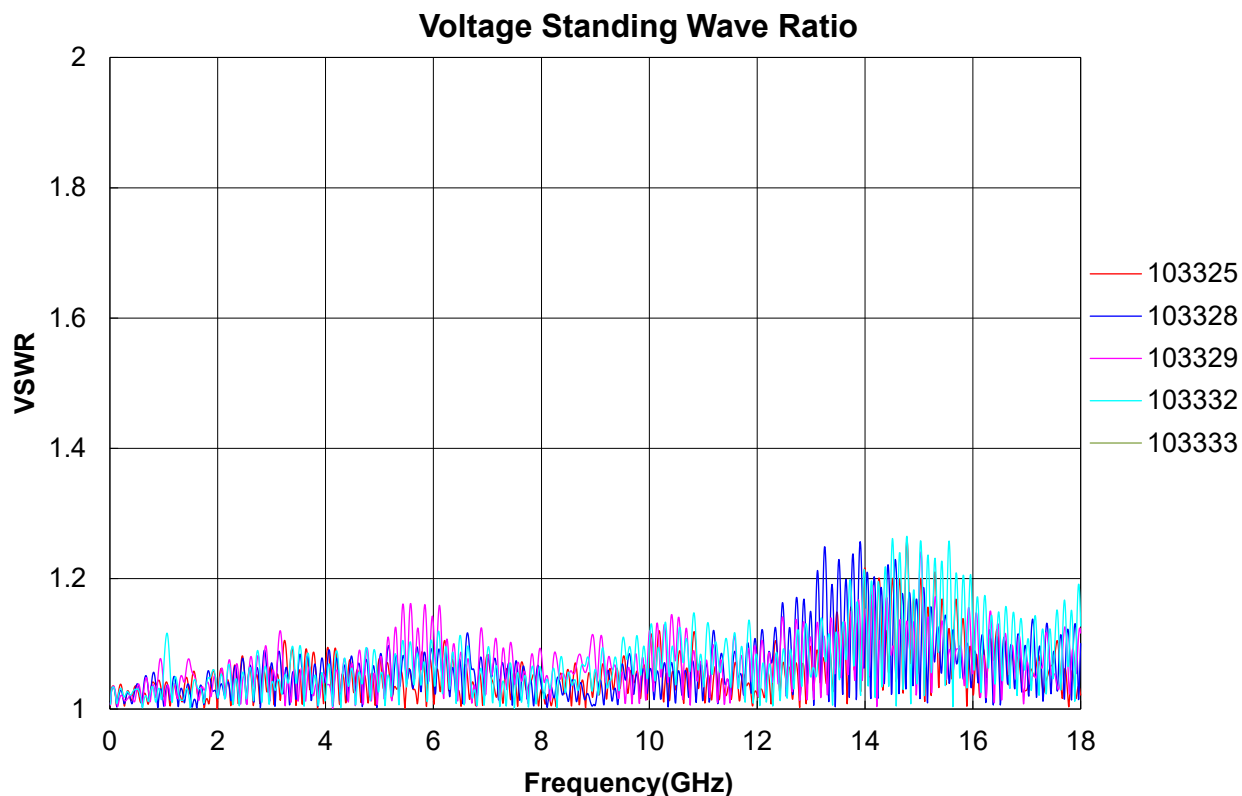
Series: RF280

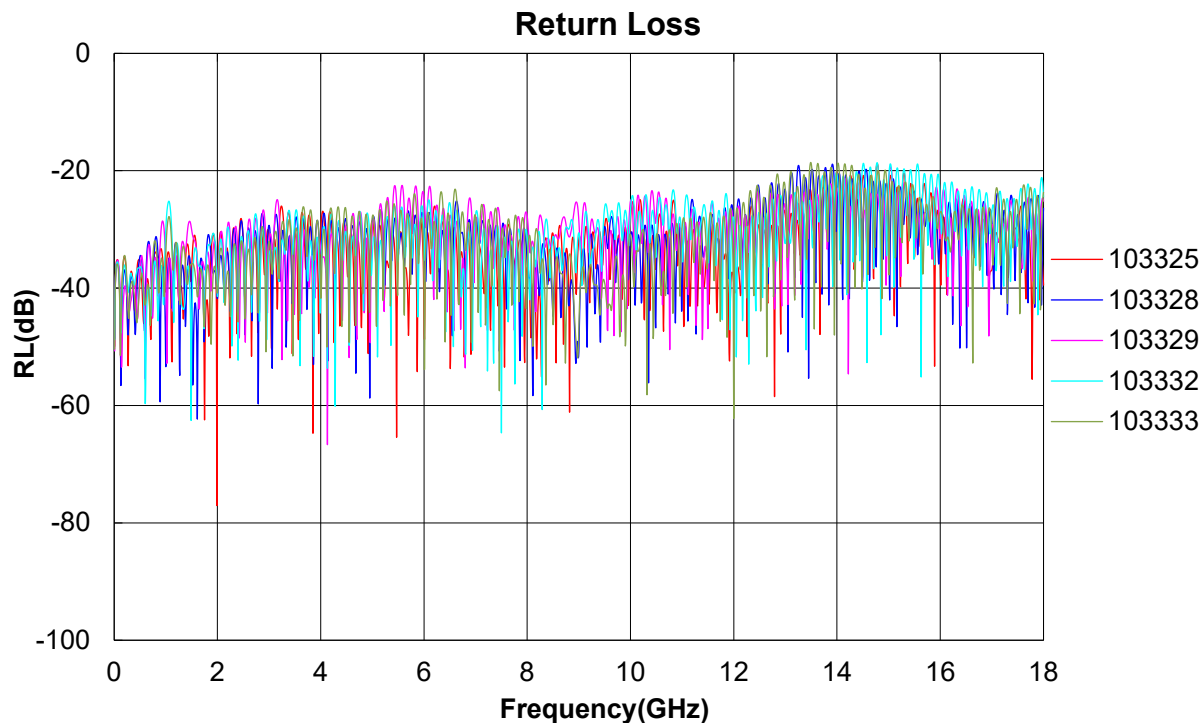
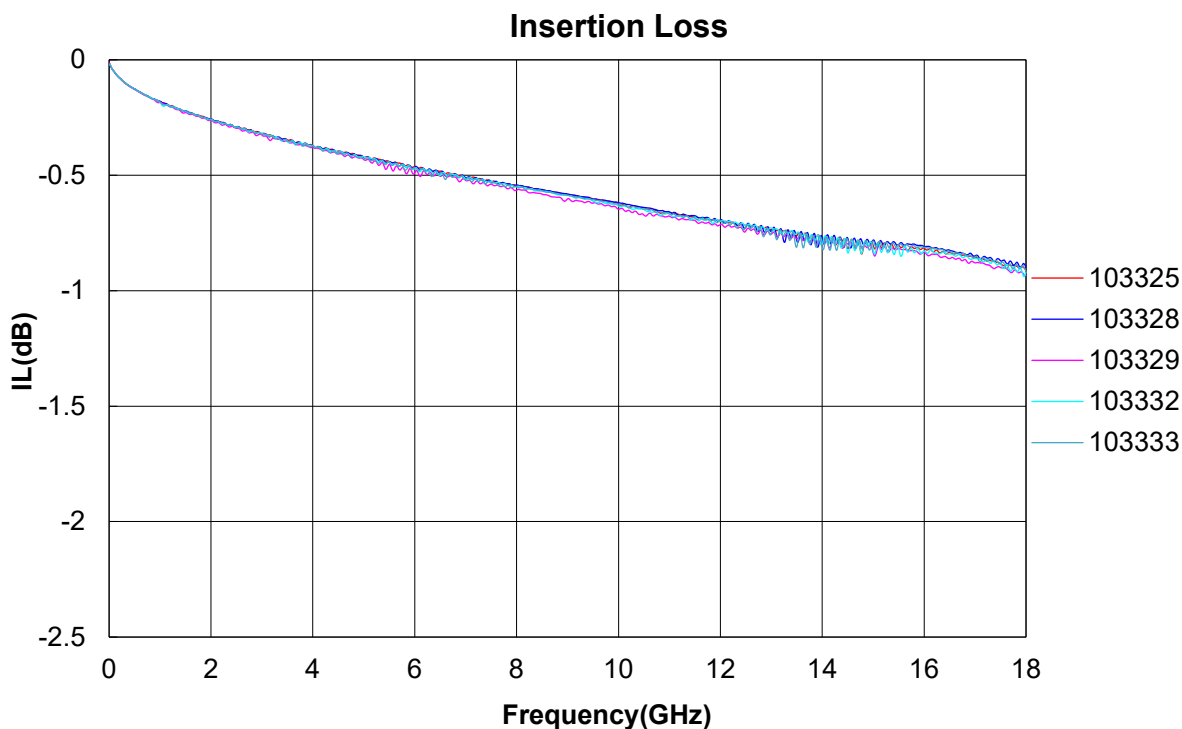
Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
NTPE End Options

Results: RF280-06SP-06SP-1000

Description: RF280 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
103325	1.26 @ 14.78 GHz	-18.79 @ 14.78 GHz	-0.90 dB @ 18.00 GHz
103328	1.26 @ 13.91 GHz	-18.88 @ 13.91 GHz	-0.90 dB @ 17.89 GHz
103329	1.24 @ 15.04 GHz	-19.36 @ 15.04 GHz	-0.93 dB @ 17.98 GHz
103332	1.27 @ 14.78 GHz	-18.63 @ 14.78 GHz	-0.94 dB @ 17.96 GHz
103333	1.27 @ 13.49 GHz	-18.58 @ 13.49 GHz	-0.91 dB @ 18.00 GHz

VSWR



Series: RF280**Description:** 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
NTPE End OptionsReturn LossInsertion Loss

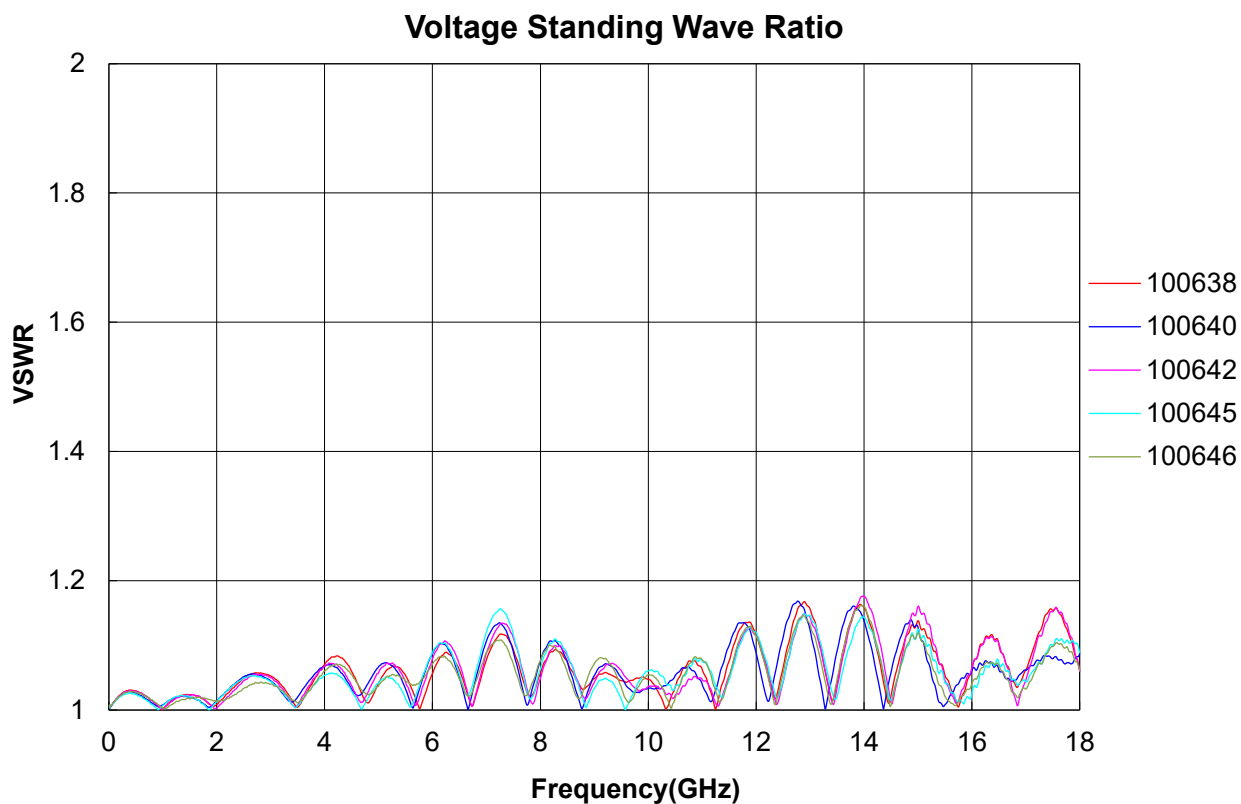
Series: RF280

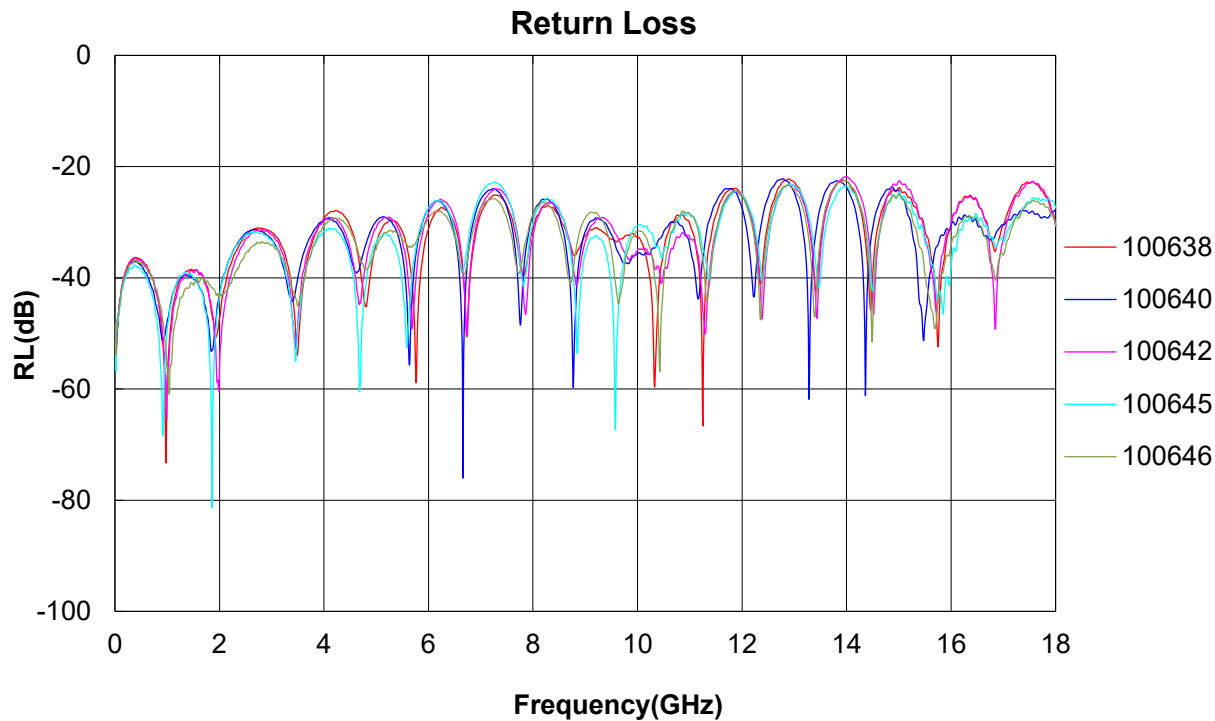
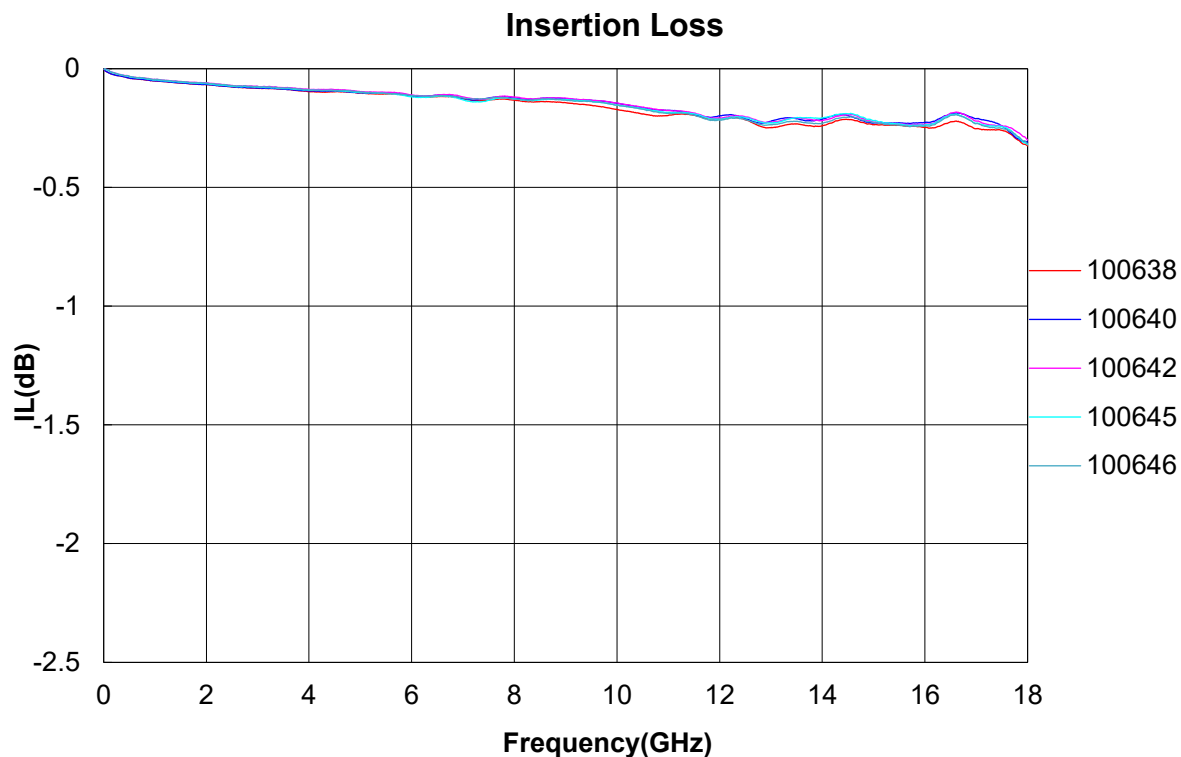
Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
NTPE End Options

Results: RF280-06BJ-06BJ-0152

Description: RF280 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
100638	1.17 @ 12.89 GHz	-22.23 @ 12.89 GHz	-0.33 dB @ 18.00 GHz
100640	1.17 @ 12.77 GHz	-22.19 @ 12.77 GHz	-0.31 dB @ 18.00 GHz
100642	1.18 @ 13.98 GHz	-21.83 @ 13.98 GHz	-0.30 dB @ 18.00 GHz
100645	1.16 @ 7.26 GHz	-22.78 @ 7.26 GHz	-0.32 dB @ 18.00 GHz
100646	1.16 @ 13.94 GHz	-22.50 @ 13.94 GHz	-0.32 dB @ 18.00 GHz

VSWR



Series: RF280**Description:** 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
NTPE End OptionsReturn LossInsertion Loss

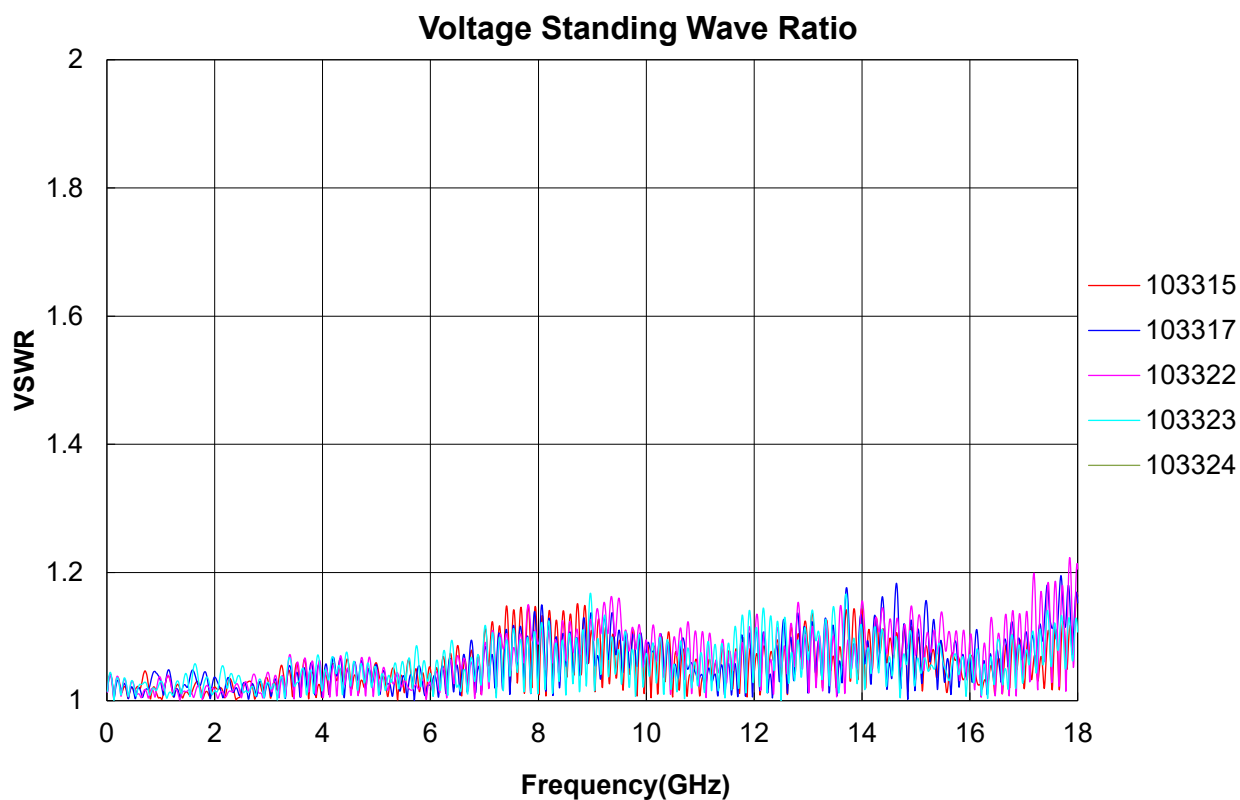
Series: RF280

Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
NTPE End Options

Results: RF280-06BJ-06BJ-1000

Description: RF280 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
103315	1.17 @ 17.99 GHz	-22.18 @ 17.99 GHz	-1.00 dB @ 17.91 GHz
103317	1.20 @ 17.69 GHz	-21.02 @ 17.69 GHz	-0.98 dB @ 18.00 GHz
103322	1.22 @ 17.85 GHz	-19.96 @ 17.85 GHz	-0.98 dB @ 17.90 GHz
103323	1.17 @ 8.97 GHz	-22.24 @ 8.97 GHz	-0.96 dB @ 18.00 GHz
103324	1.20 @ 13.61 GHz	-20.99 @ 13.61 GHz	-0.95 dB @ 17.77 GHz

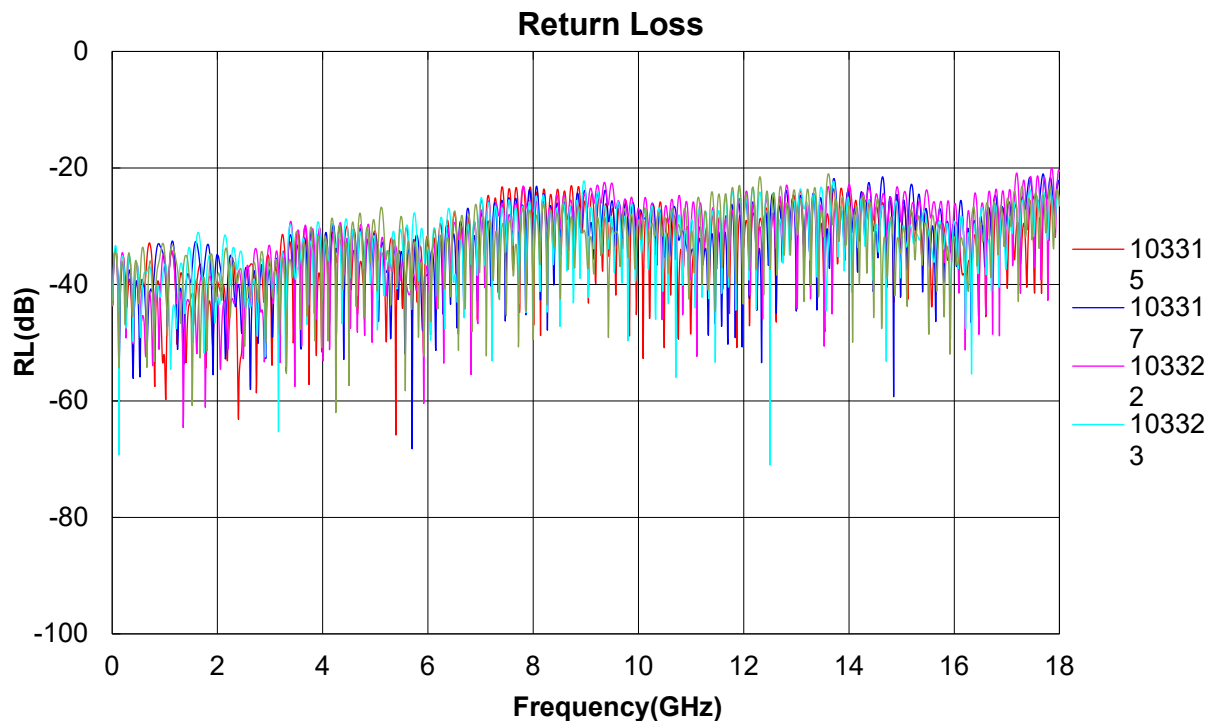
VSWR



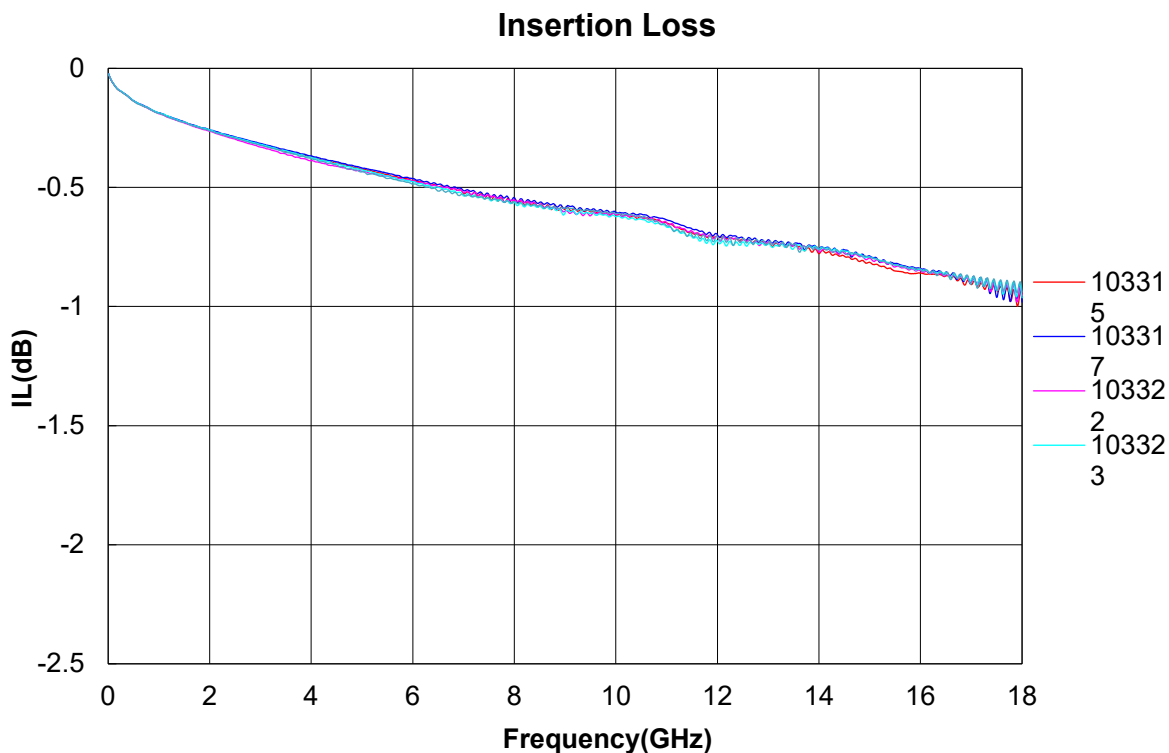
Series: RF280

Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
NTPE End Options

Return Loss



Insertion Loss



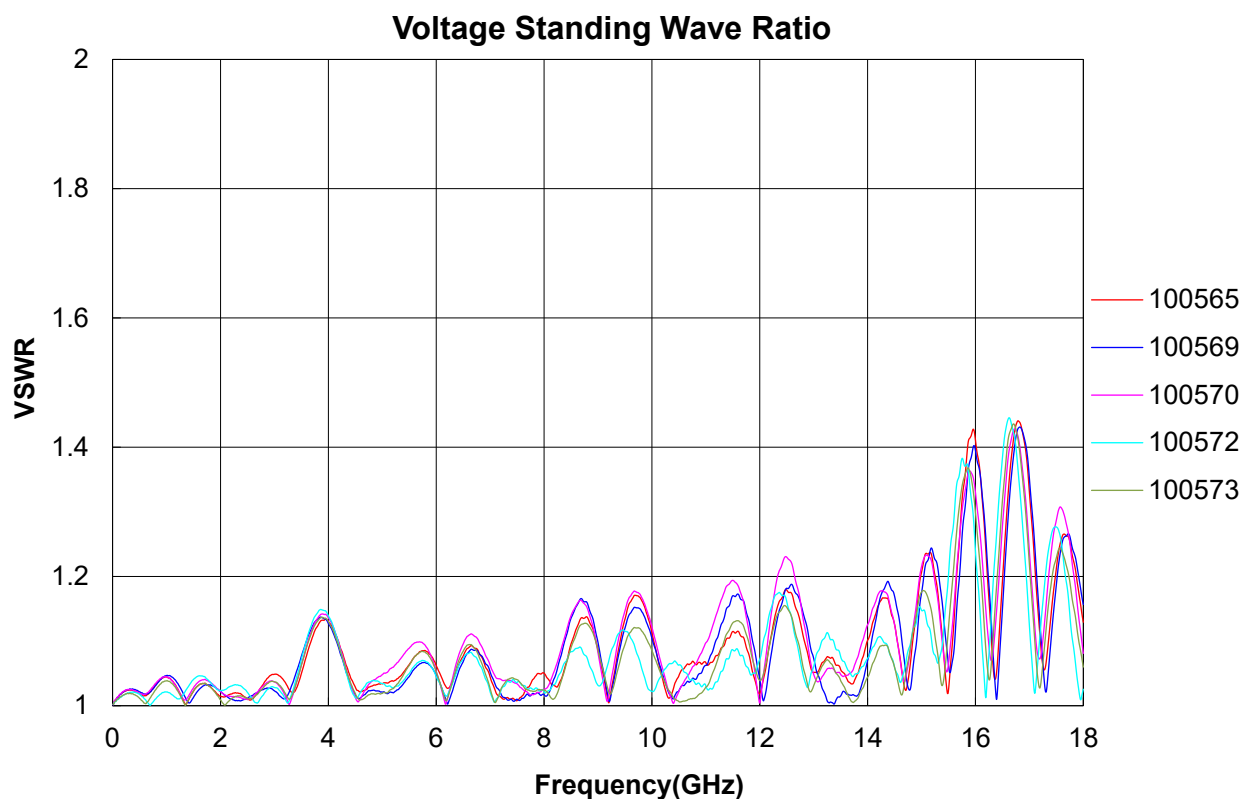
Series: RF280

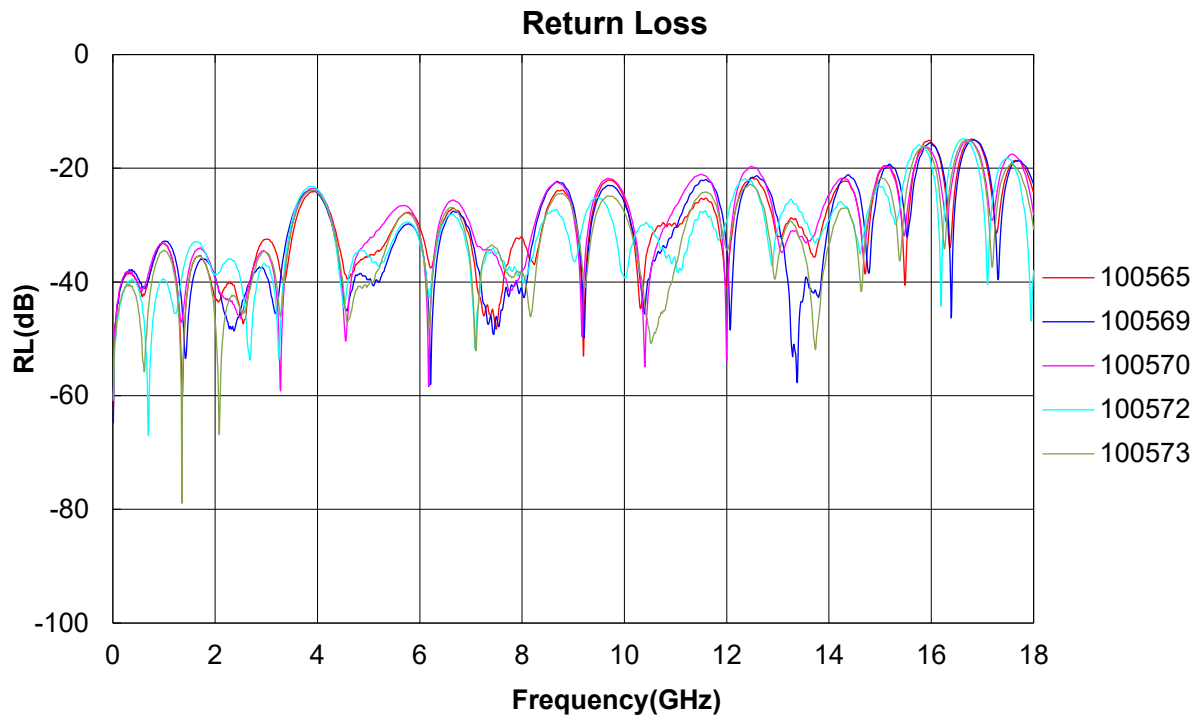
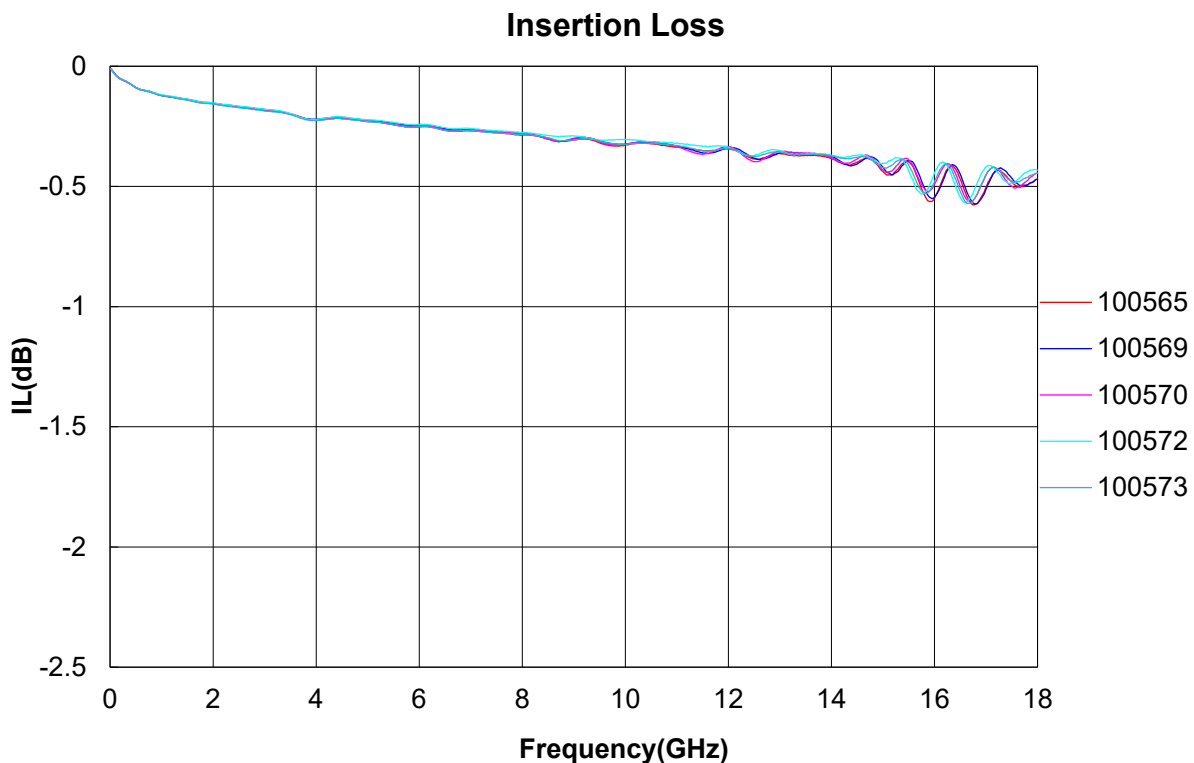
Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
NTPE End Options

Results: RF280-06RP-06RP-0152

Description: RF280 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
100565	1.44 @ 16.79 GHz	-14.86 @ 16.79 GHz	-0.58 dB @ 16.75 GHz
100569	1.43 @ 16.82 GHz	-15.02 @ 16.82 GHz	-0.57 dB @ 16.79 GHz
100570	1.43 @ 16.72 GHz	-15.08 @ 16.72 GHz	-0.56 dB @ 16.71 GHz
100572	1.45 @ 16.62 GHz	-14.79 @ 16.62 GHz	-0.57 dB @ 16.61 GHz
100573	1.44 @ 16.71 GHz	-14.95 @ 16.71 GHz	-0.57 dB @ 16.64 GHz

VSWR



Series: RF280**Description:** 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
NTPE End OptionsReturn LossInsertion Loss

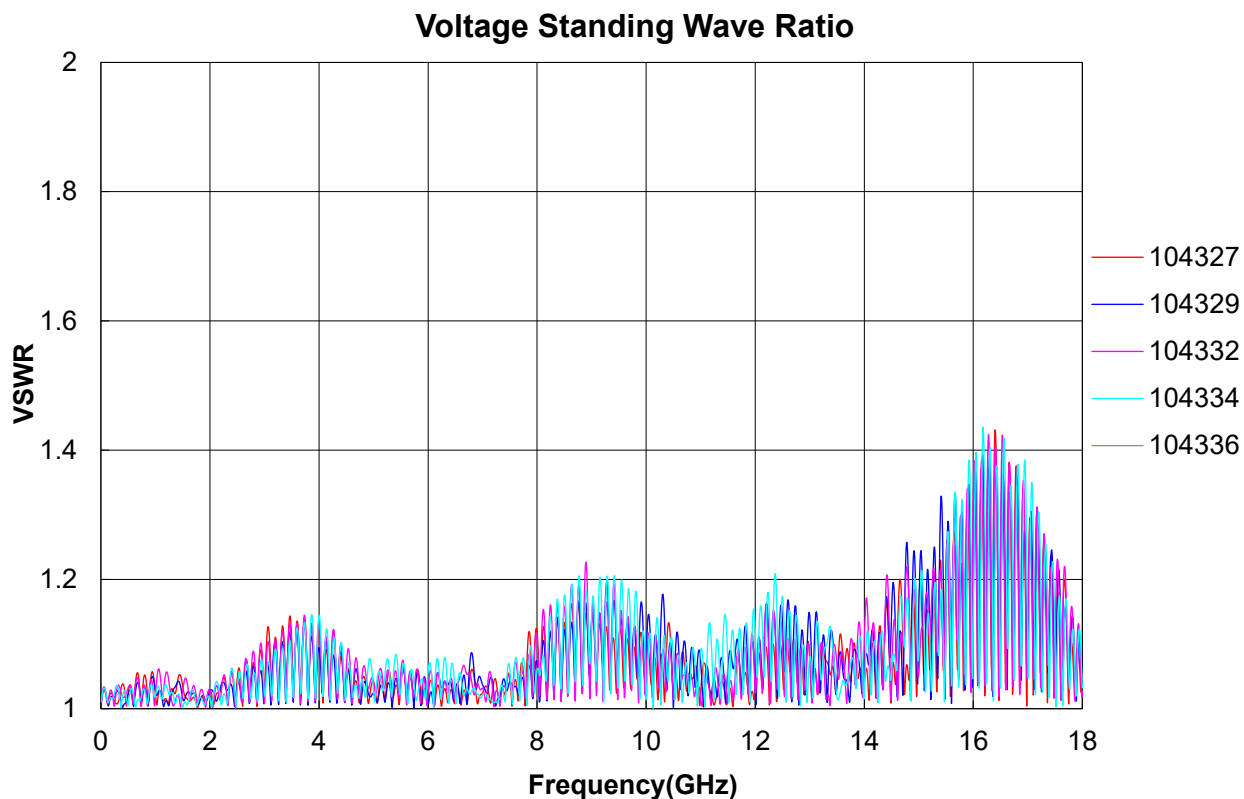
Series: RF280

Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
NTPE End Options

Results: RF280-06RP-06RP-1000

Description: RF280 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
104327	1.43 @ 16.40 GHz	-15.02 @ 16.40 GHz	-1.21 dB @ 16.40 GHz
104329	1.39 @ 16.17 GHz	-15.69 @ 16.17 GHz	-1.14 dB @ 16.29 GHz
104332	1.42 @ 16.28 GHz	-15.14 @ 16.28 GHz	-1.19 dB @ 16.27 GHz
104334	1.44 @ 16.18 GHz	-14.95 @ 16.18 GHz	-1.16 dB @ 16.56 GHz
104336	1.37 @ 16.02 GHz	-16.19 @ 16.02 GHz	-1.14 dB @ 16.77 GHz

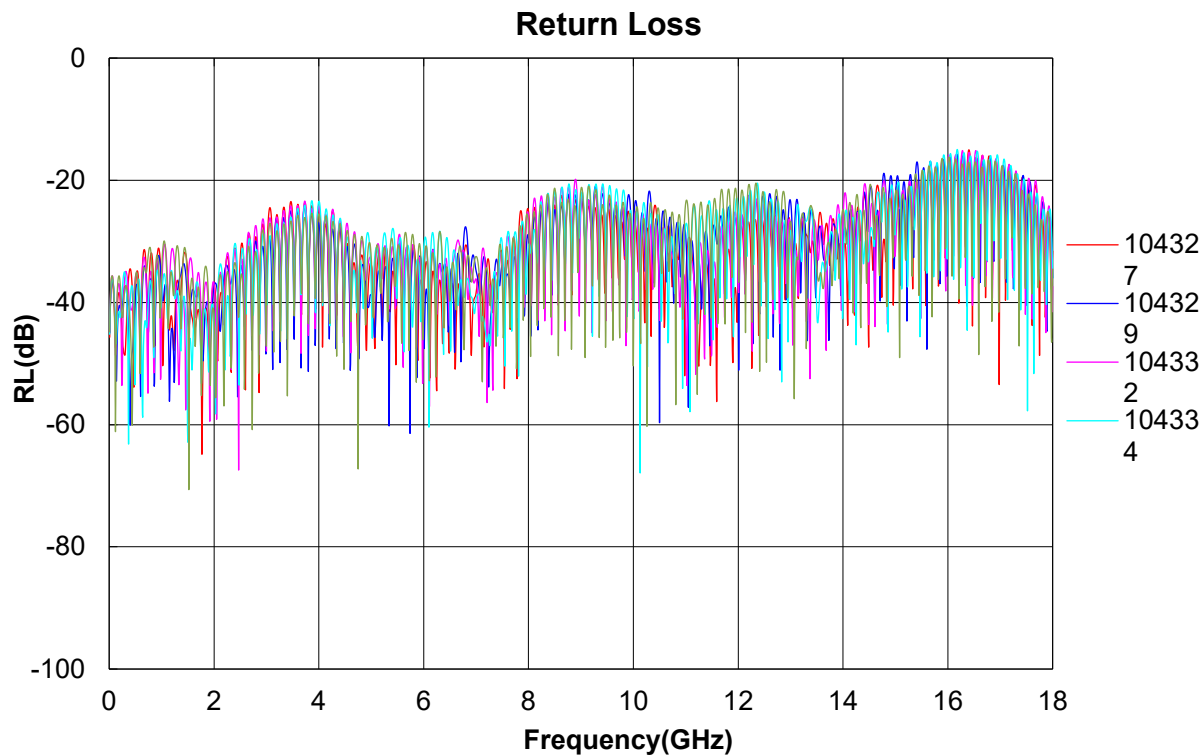
VSWR



Series: RF280

Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
NTPE End Options

Return Loss



Insertion Loss

