



Specific Test Report

Frequency Range [GHz]	IL min S21 [dB]	IL min S12 [dB]	RL max S11 [dB]	RL max S22 [dB]
0.01000 - 5.00900	-1.017	-1.017	-35.686	-34.460
5.00900 - 10.00800	-1.452	-1.449	-34.623	-33.912
10.00800 - 15.00700	-1.792	-1.789	-27.425	-27.694
15.00700 - 20.00600	-2.085	-2.081	-26.125	-24.813
20.00600 - 25.00500	-2.346	-2.343	-26.430	-26.591
25.00500 - 30.00400	-2.582	-2.586	-32.449	-30.025
30.00400 - 35.00300	-2.844	-2.852	-24.077	-22.356
35.00300 - 40.00200	-3.002	-3.059	-22.447	-20.929
40.00200 - 45.00100	-3.292	-3.310	-24.700	-19.979
45.00100 - 50.00000	-3.724	-3.619	-17.632	-17.231

Type: 8121-2776 Rev-001
Art no.: 84314666
Serial no.: SN MY1153/1EA
PA no.: 83378
Ring no.:
Cable length: 1.005 m
Test length: 1.005 m
Connector 1: SF_11_PC24-109
Connector 2: SF_21_PC24-109
Cable: SUCOFLEX_101_E
Meas. System: E8361C,US49010263,A.09.42.22

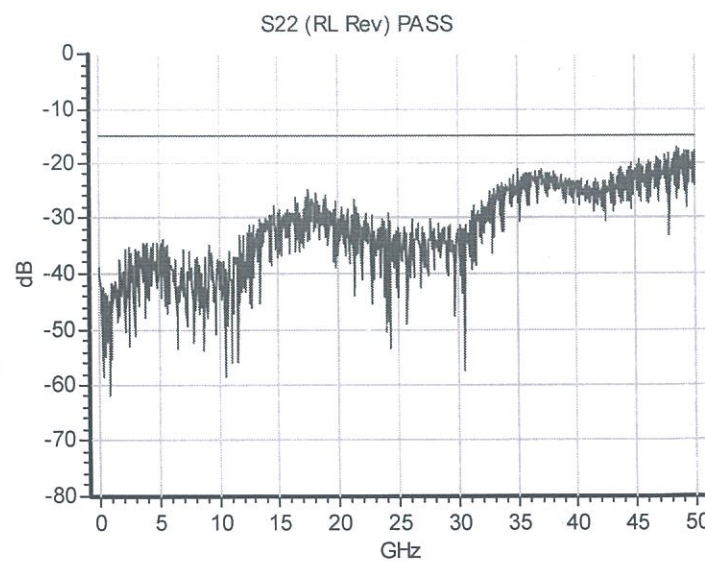
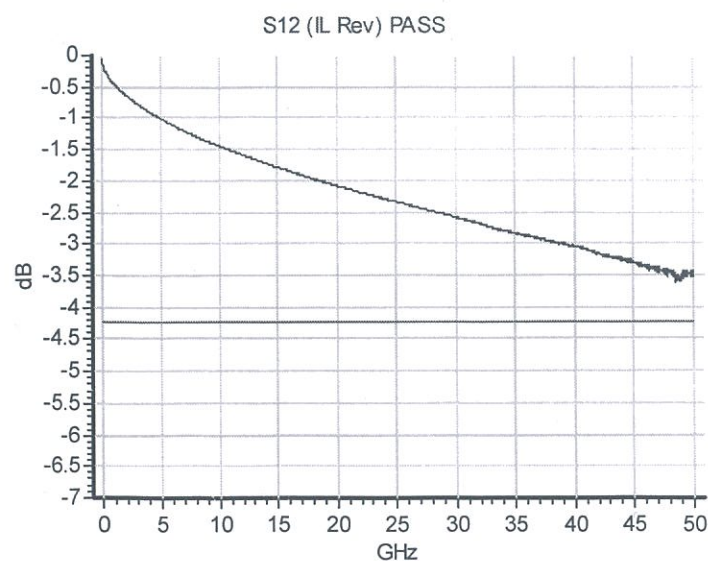
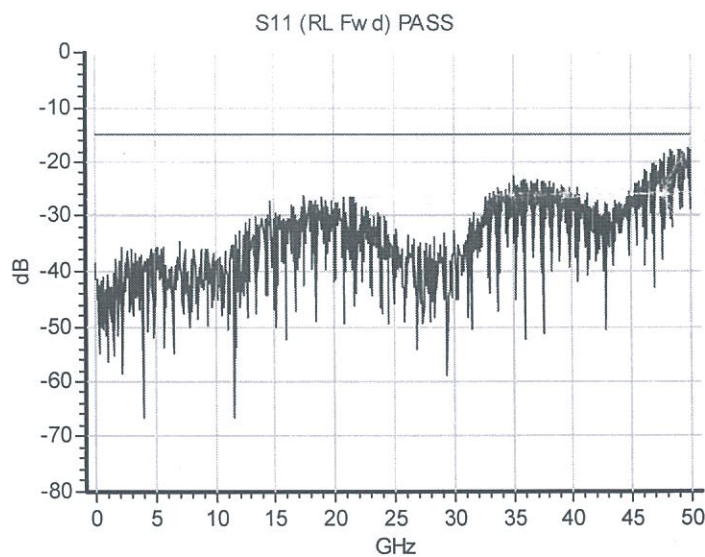
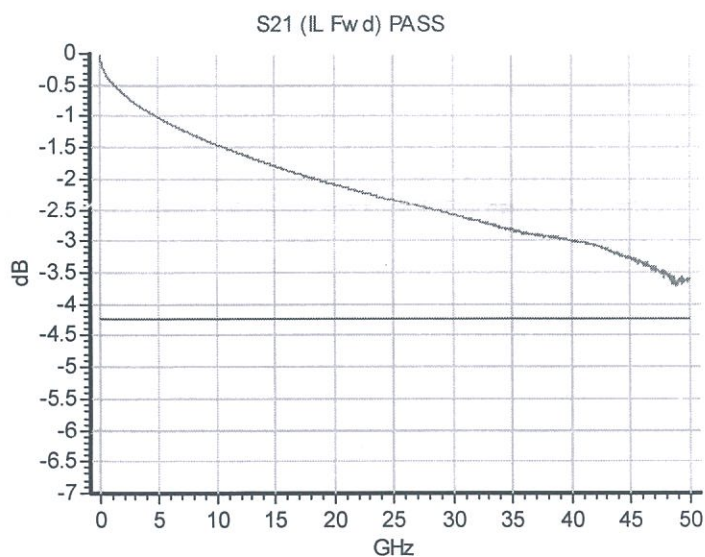
Time: 5:05:57 PM
Date: 12/30/2015
Inspected by: Tarmizie;5174;

Start Freq.: 0.01000 GHz
Stop Freq.: 50.00000 GHz
Meas Points: 801
Source Power: -5 dBm

Cal.Kit Port1: 2.4 mm (85056D)

Cal.Kit Port2: 2.4 mm (85056D)

Remarks: Temp. 23°C



HUBER+SUHNER MICROWAVE CABLE ASSEMBLIES

CARE AND HANDLING INSTRUCTIONS

HUBER+SUHNER microwave cable assemblies of all types offer a long service life providing they are treated with the appropriate care and attention. Microwave cable assemblies are high precision system components and require proper handling in order to ensure that measured performance values are maintained.

To achieve the maximum installed performance the following guidelines should be followed:

1. Assemblies should remain in their original packaging for delivery and storage. Storage temperature should be between -50°C and +80°C and the relative humidity should not exceed 85%.
2. Carefully unpack assemblies before installation. Avoid kinking cables when straightening from a coil or reel.
3. Ensure that the surroundings are clean and free of dust, dirt and any other particles that could enter unsealed connector interfaces.
4. Use protective caps to prevent contamination whenever connectors are unmated.
5. Where interfaces are contaminated, particles can be removed with dry, oil-free compressed air. Please use eye-protection. Interfaces can be cleaned with dry cotton swabs. Do not use hard handtools or solvents. Do not blow into interfaces or use normal compressed-air.
6. Choose the installation routing using the largest bend radii possible. Small bend radii may affect electrical performance. Exceeding the specified limits during the installation process could cause a permanent degradation.
7. Avoid twisting microwave cable assemblies. Torsion of this type of assembly can alter the relative diameters of cable layers and affects the electrical characteristics. Exceeding the limit of 10° per metre during installation process could cause a permanent degradation.
8. The use of cable ties should be avoided where possible, as they can easily exert more force than this. If cable ties must be used then they should be as wide as possible and still allow movement of the cable. Avoid placing fixings at regular intervals.
9. Examine interfaces for damage and/or contamination before mating.
10. Discharge connectors before mating or ensure that they are connected to a suitable ground.
11. When mating connectors with a screwed interface always hold the connector bodies and turn only the coupling nut. This avoids twisting the cable and ensures minimum wear on the connector pins.
12. Do not exceed the specified torque.

Serie	Standard torque (Nm)
SK	0.80 ... 1.10
N	0.90 ... 1.36
PC2.4	0.80 ... 1.10
PC3.5	0.80 ... 1.10
PC7	1.30 ... 1.41
SMA	0.80 ... 1.10
TNC	0.80 ... 1.10

WAIVER

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