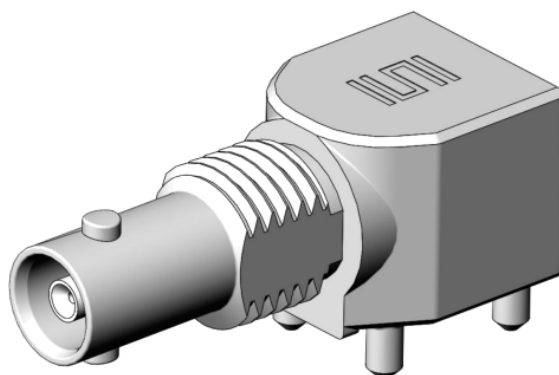




RF Characterization Report

HDBNC-J-P-GN-RA-BMXD



Description:
75 Ohm High-Density BNC Bulkhead Jack,
Mixed Technology, Die Cast

Series: HDBNC-BM

Description: 75 Ohm High-Density BNC Bulkhead Jack, Mixed Technology, Die Cast

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Series: HDBNC-BM

Description: 75 Ohm High-Density BNC Bulkhead Jack, Mixed Technology, Die Cast

Test Setup Information

Scope:

Testing performed evaluates the electrical performance of non-standard impedance products HDBNC-BMXD series to 12 GHz. Evaluated HDBNC-J-P-GN-RA-BM1D and HDBNC-J-P-GN-RA-BM2D performance over a frequency from 10 MHz to 20 GHz. All measurements were performed using 50 ohm to 75 ohm cable adaptor assemblies and the open adaptor removal test method. Fixture models (75 Ohms cable with DUT Jack connector) are generated using OPEN method in PLTS, and AFR methods will de-embed mixed impedance fixturing effects, then Bi-fricated to separate the data into each individual connector by Keysight Technologies Automated Fixture Removal (AFR) software tool.

Instrument Setup & Test Accessories:

Network Analyzer	Keysight PNA N5227B
Averaging Factor	1
Smoothing	Off
IF Bandwidth	1 KHz
Sweep Start	10 MHz
Sweep End	20 GHz
Points	2000
Test Cables	Gore 0F0CACB036.0-LF (DC to 67 GHz)

Calibration Type:

A Keysight electrical calibration is performed for N5227B using the Keysight ECAL 4694A.

Calibration Kit	Keysight ECAL 4694A
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Adapter Use:

All adaptor cable assemblies were supplied by Coax Connectors Ltd, as singled ended 75-ohm assemblies. The second end of each assembly was then terminated with the 50-ohm SAMTEC P/N: SMA-P-C-HF-ST-C10.

P/N: 90-67D00-72A-S1-15, Micro BNC Jack to Free End Belden 1855ENH - 150mm

The cable adaptor assemblies' effects were removed from the measurements using fixture removal method, no adaptors effects are included in the test results.

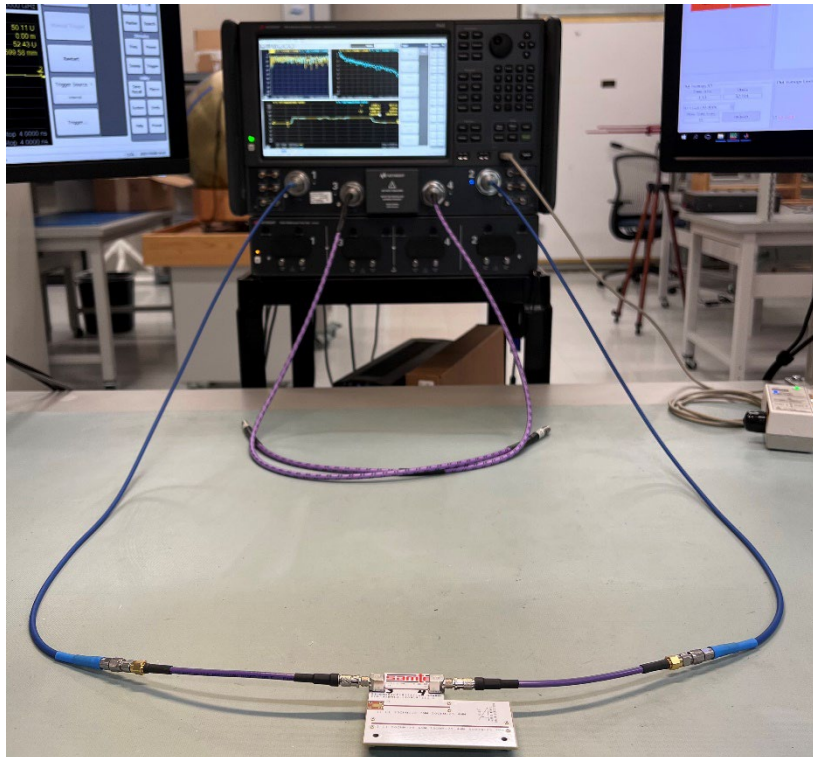
Series: HDBNC-BM

Description: 75 Ohm High-Density BNC Bulkhead Jack, Mixed Technology, Die Cast

HDBNC-J-P-GN-RA-BMXD Test Definition

Part Number	End 1	End 2
HDBNC-J-P-GN-RA-BM1D	75 Ohm High Density BNC Jack	PCB Mount
HDBNC-J-P-GN-RA-BM2D	75 Ohm High Density BNC Jack	PCB Mount

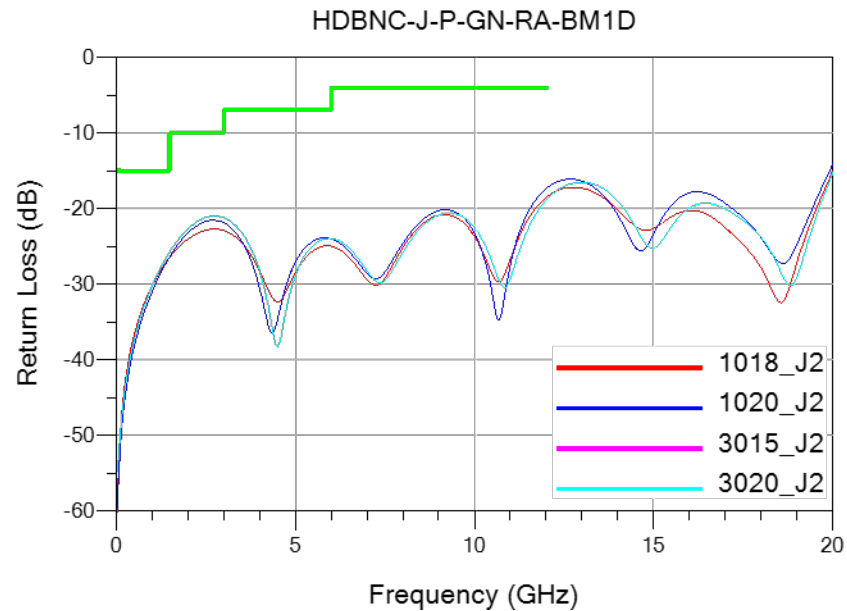
Connector Under Test:



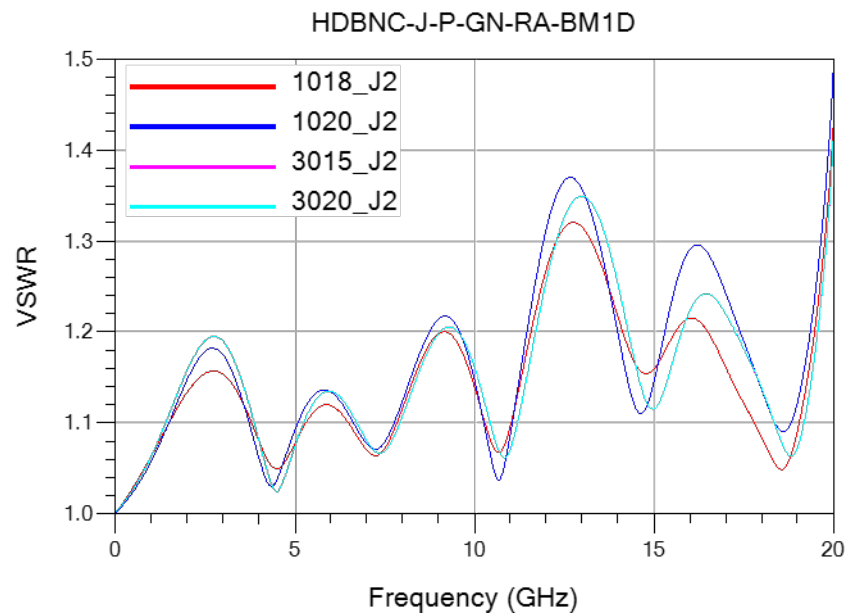
Series: HDBNC-BM

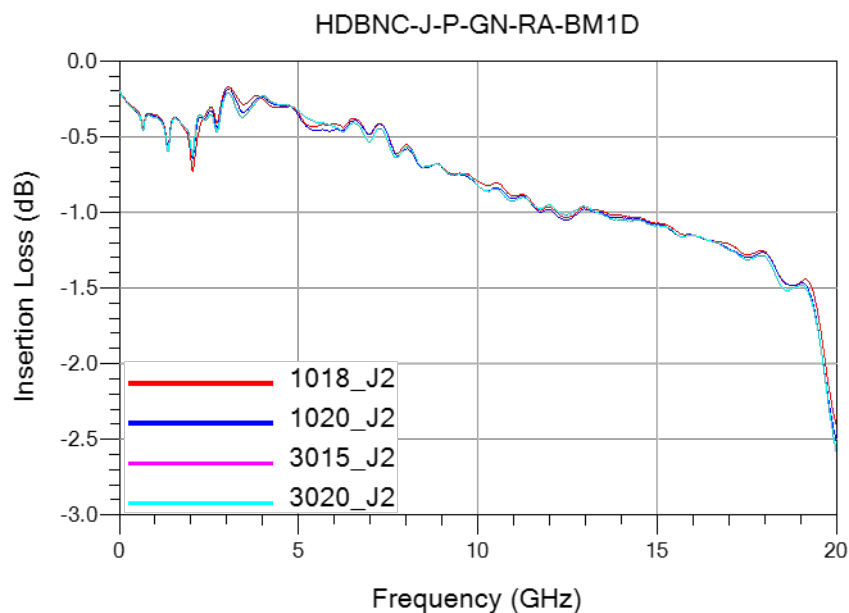
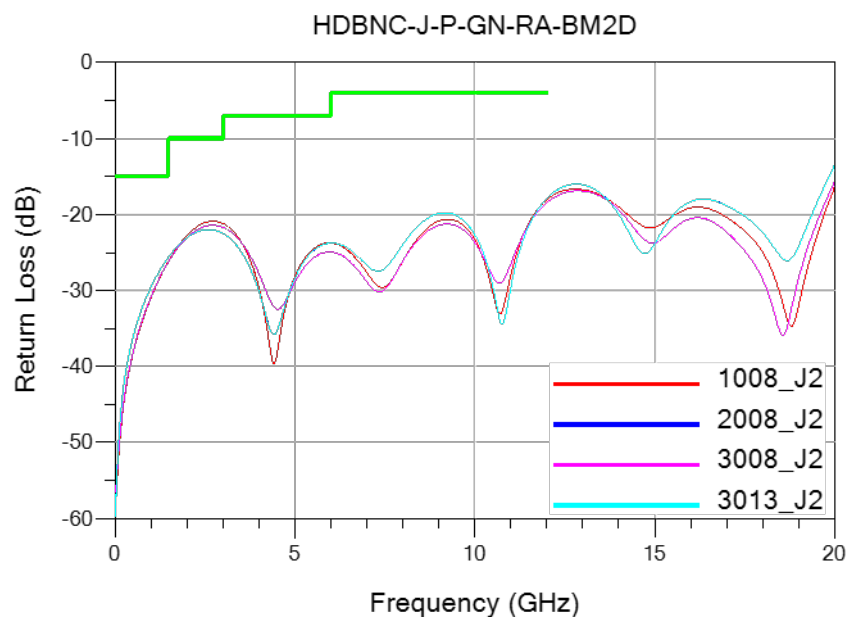
Description: 75 Ohm High-Density BNC Bulkhead Jack, Mixed Technology, Die Cast

Return Loss Results: HDBNC-J-P-GN-RA-BM1D



VSWR Results: HDBNC-J-P-GN-RA-BM1D

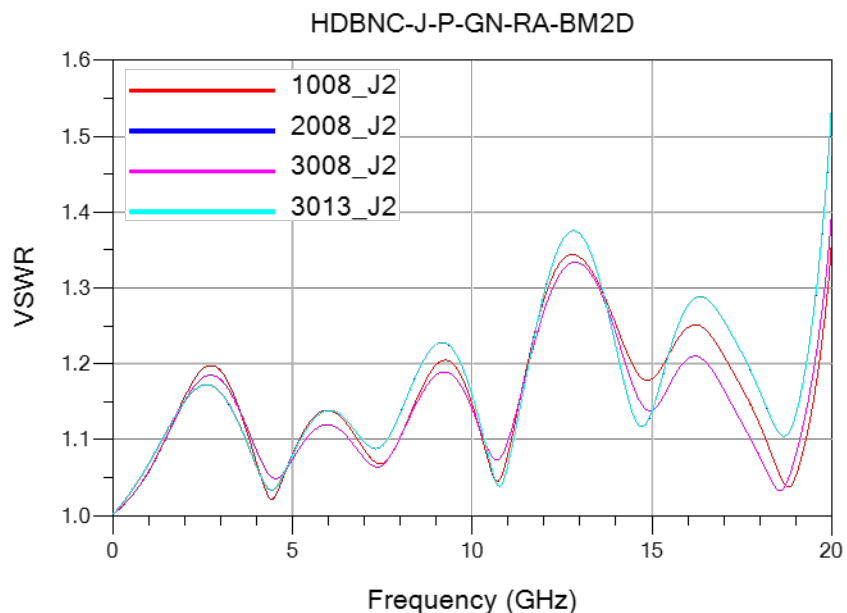


Series: HDBNC-BM**Description:** 75 Ohm High-Density BNC Bulkhead Jack, Mixed Technology, Die Cast**Insertion Loss Results: HDBNC-J-P-GN-RA-BM1D****Return Loss Results: HDBNC-J-P-GN-RA-BM2D**

Series: HDBNC-BM

Description: 75 Ohm High-Density BNC Bulkhead Jack, Mixed Technology, Die Cast

VSWR Results: HDBNC-J-P-GN-RA-BM2D



Insertion Loss Results: HDBNC-J-P-GN-RA-BM2D

