Rack-Mounted | Splitter Rack

High Power 20-Way Splitter ZT-20HPS-63

50Ω 2500-6000 MHz, 100W

Features

- 100 W input power rating, ideal for high power burn-in
- 20-way split, for multi-channel test systems
- Wide bandwidth, covering major telecoms bands
- Integrated cooling

Model Name	Connector Type
ZT-20HPS-63-S	SMA
ZT-20HPS-63-N	N-Type

Applications

- Burn-in testing for SAW filters and MMIC qualification process
- 80 channels HTOL test system
- Wireless module testing

Product Overview

ZT-20HPS-63 is a passive power splitter system enabling high power signal distribution in an RF test environment. The input power rating of 100 W allows the system designer to overcome the inherent splitter losses in a multi-path distribution system and still deliver a test signal to 20 separate outputs at more than 2W per path. The specified operating bandwidth covers the key telecoms bands from 2.5 to 6 GHz. This splitter is recommended to be used together with Mini-Circuits HPA-100W-63+ 100W high power amplifiers in HTOL test systems.

Mechanical Specifications

Parameter	Details	
Dimensions	19.0” (W) x 2U (H) x 16.0” (D) Removable support feet add 0.25” height	
Front Panel	1 x RF input (N-type female) 20 x RF outputs (SMA or N-type female) On / off power switch[1,2]	
Rear Panel	Cooling fan vent AC power inlet	
RF Connectors	Input	N-type female (1)
	Outputs 1 - 20	SMA or N-type female (20)
Power Supply[1,2]	AC mains power supply (90-260 V, 47-63 Hz) 2A, 250V fuse rating	
Operating Temperature	0 to 40° C	

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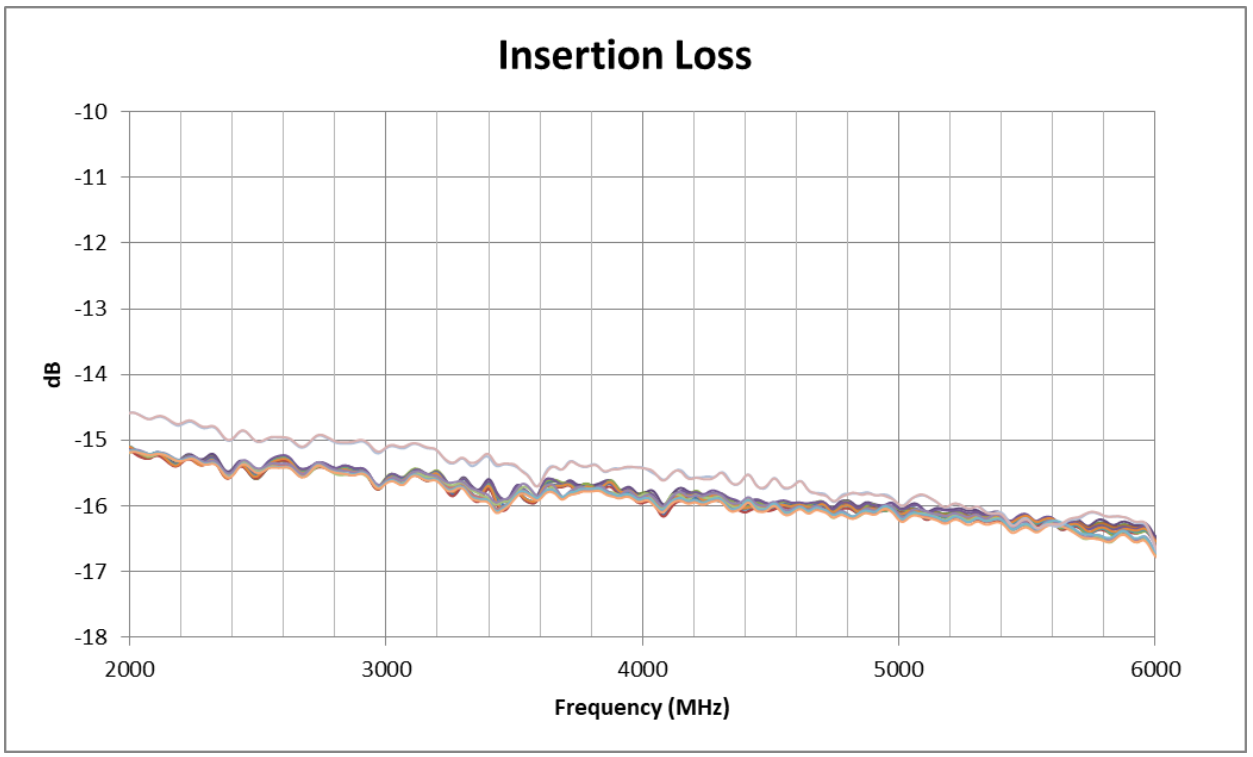
Electrical Specifications at 25°C

Parameter	Min	Typ	Max	Units
Operating Frequency	2500		6000	MHz
Input Power[1,2]			100	W
Insertion Loss		16	18	dB
Amplitude Unbalance		0.5		dB
Isolation		20		dB
Return Loss (Input)		15		dB
Return Loss (Output)		18		dB

[1] All output ports (including unused ports) must be terminated in 50Ω when operating with input power greater than 10 W
[2] Power supply must be connected and powered on by the front panel hardware switch at all times when an input signal is present

Typical Performance Data



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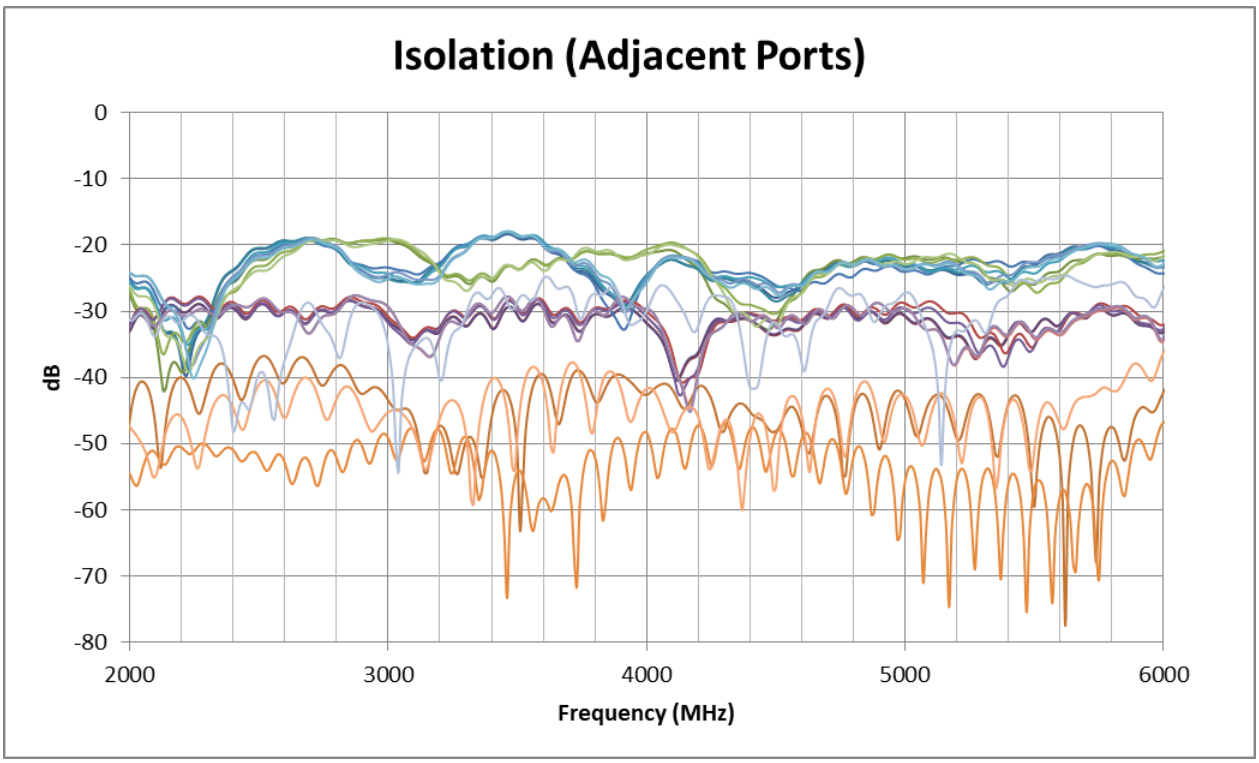

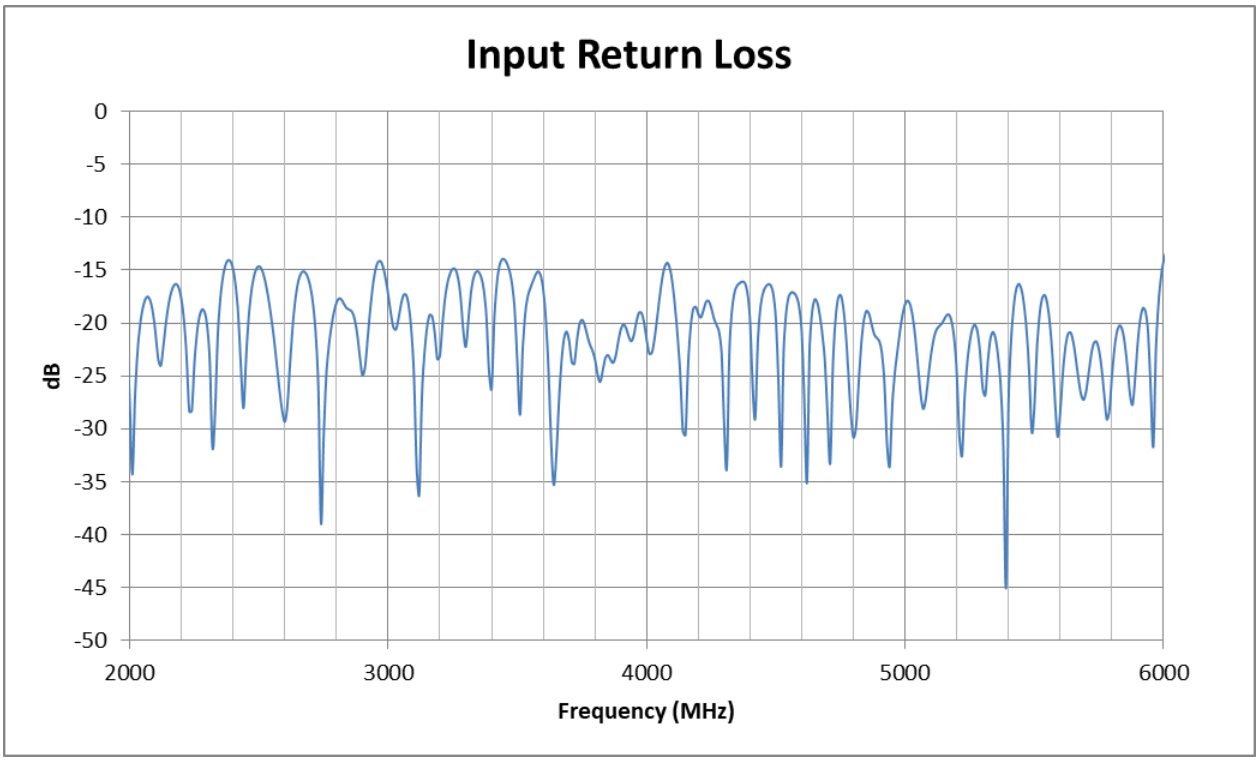

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Typical Performance Data