Rack-Mounted | Splitter Rack

High Power 10-Way Splitter ZT-10HPS-272

50Ω 700-2700 MHz, 100W

Features

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

Model Name	Connector Type
ZT-10HPS-272-S	SMA
ZT-10HPS-272-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-10HPS-272 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 10 separate outputs at 6W per path. The specified operating bandwidth covers the key telecoms bands up to 2.7 GHz. This splitter is recommended to be used together with Mini-Circuits HPA-272+ 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	
Case Drawing	99-01-2129	
Front Panel	1 x RF input (N-type female) 10 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 - 10	SMA or N-type female (10)
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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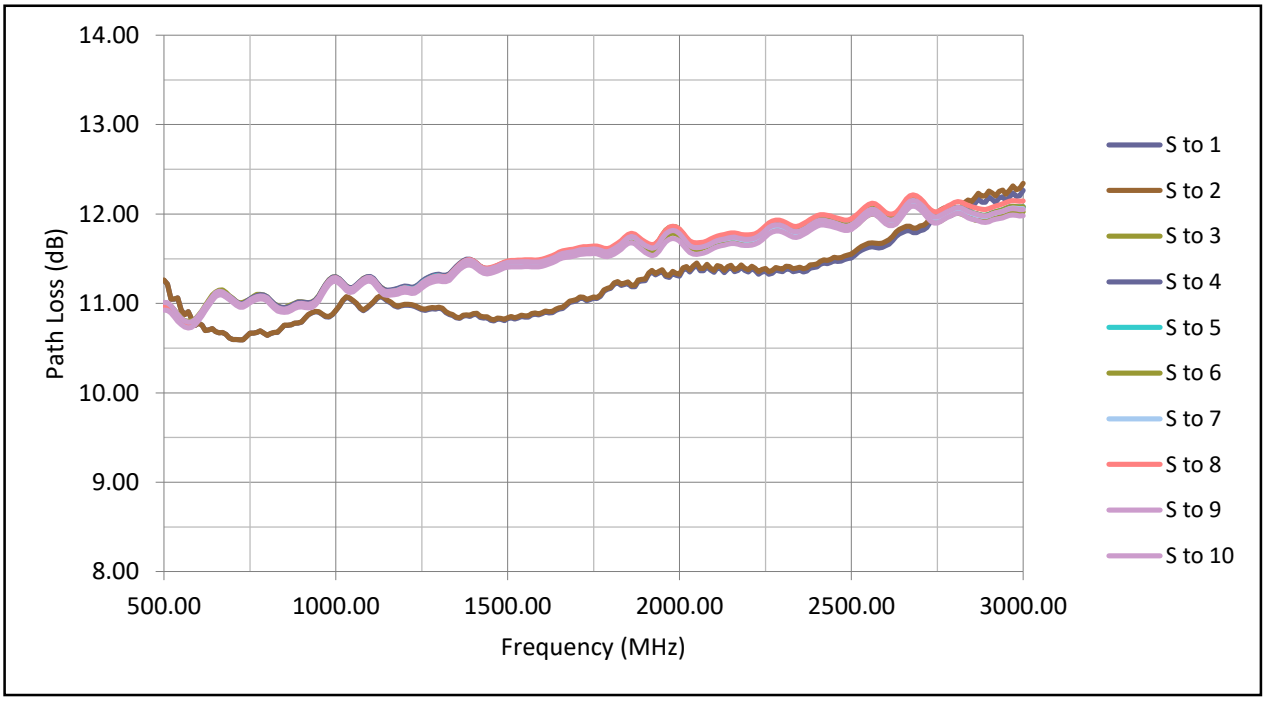
Electrical Specifications at 25°C

Parameter	Min	Typ	Max	Units
Operating Frequency	700		2700	MHz
Input Power[1,2]			100	W
Insertion Loss		11.5	12.5	dB
Amplitude Unbalance		0.4	1.0	dB
Isolation		25	16	dB
VSWR (Input)		1.3:1		dB
VSWR (Output)		1.25:1		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

Signal Path Loss



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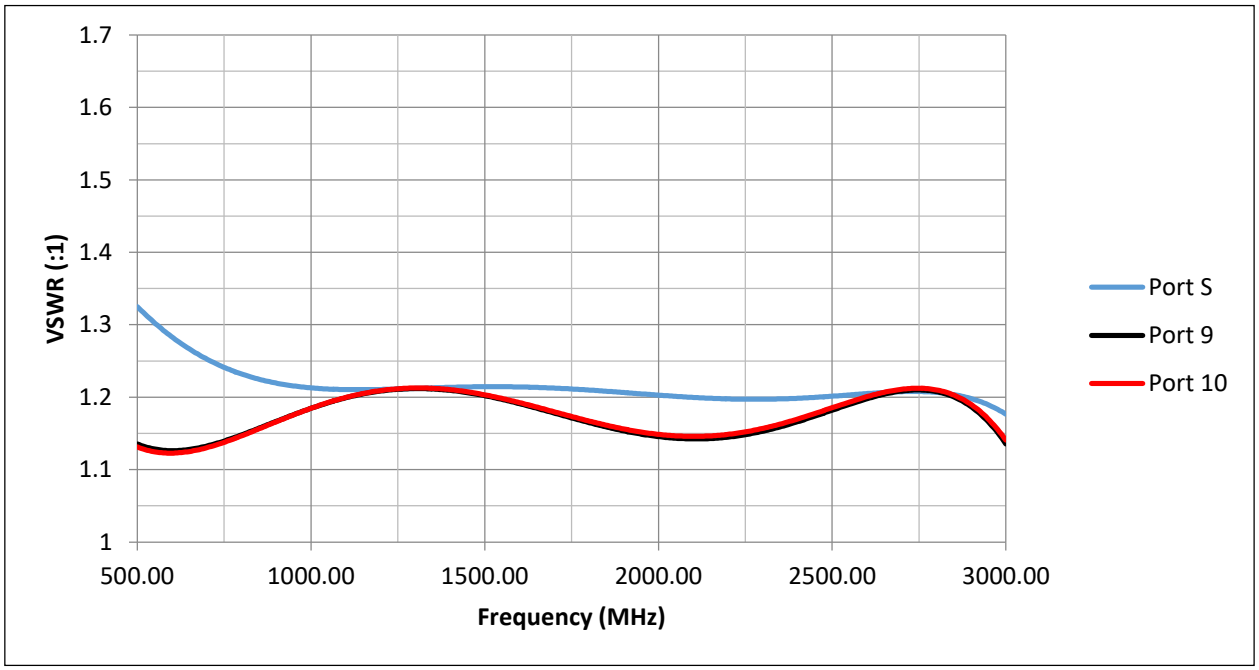
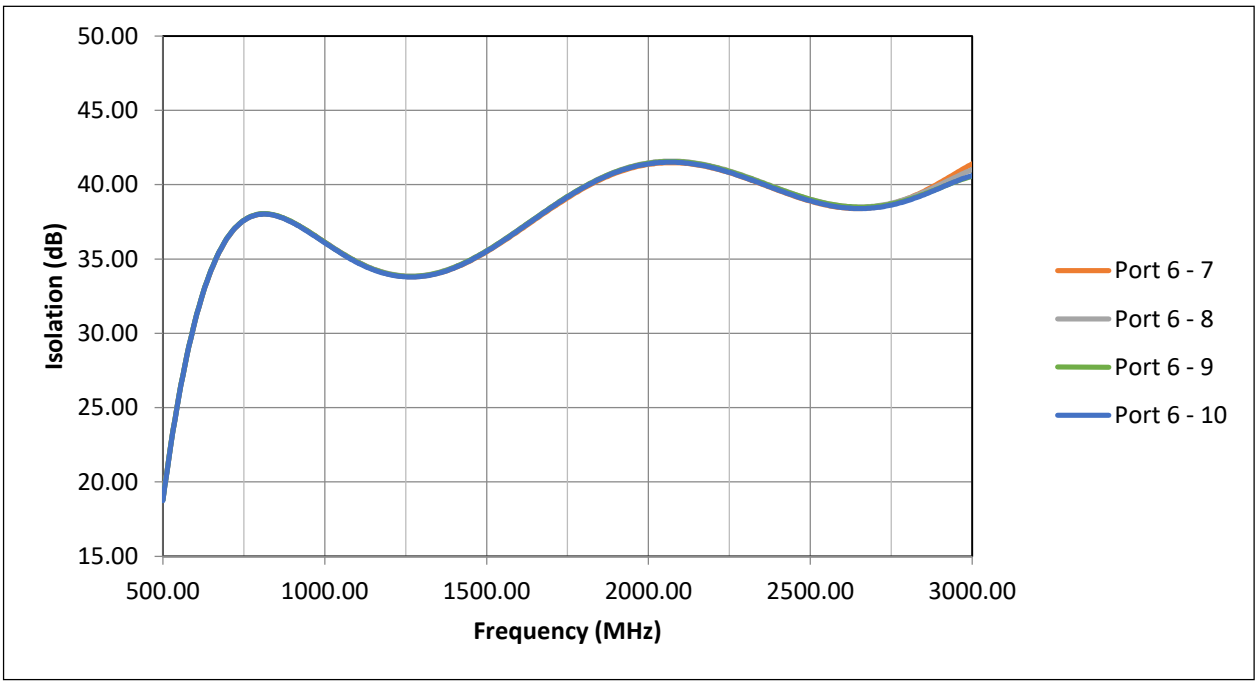
Typical Performance Data

VSWR



Isolation



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Outline Drawing