

25GE SFP28 Direct Attach Passive Copper Cables

Description

The SFP28 passive cable assemblies are high performance, cost effective I/O solutions for 25G Ethernet. SFP28 copper cables allow hardware manufactures to achieve high port density, configurability and utilization at a very low cast and reduced power budget.

Features

- Up to 25.78125 Gbps data rate
 - Up to 5 meter transmission
 - Hot-pluggable SFP 20PIN footprint
 - Improved Pluggable Form Factor(IPF) compliant for enhanced EMI/EMC performance
 - Compatible to SFP28 MSA
 - Compatible to SFF-8402 and SFF-8432
 - Temperature Range: 0~ 70 °C
 - RoHS Compatible
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Application

- 25GE Ethernet
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High Speed Characteristics

Parameter	Symbol	Min	Typical	Max	Unit	Note
Differential Impedance	<i>RIN,P-P</i>	90		110	Ω	
Insertion loss	<i>SDD21</i>			22.48	dB	At 12.8906 GHz
Differential Return Loss	<i>SDD11</i>			See 1	dB	At 0.05 to 4.1 GHz
	<i>SDD22</i>			See 2	dB	At 4.1 to 19 GHz
Common-mode to common-mode output return loss	<i>SCC11</i>	2			dB	At 0.2 to 19 GHz
	<i>SCC22</i>					
Differential to common-mode return loss	<i>SCD11</i>			See 3	dB	At 0.01 to 12.89 GHz
	<i>SCD22</i>			See 4		At 12.89 to 19 GHz
Differential to common Mode Conversion Loss	<i>SCD21</i>			10	dB	At 0.01 to 12.89 GHz
				See 5		At 12.89 to 15.7 GHz
				6.3		At 15.7 to 19 GHz
Channel Operating Margin	<i>COM</i>	3			dB	