

SFP28 25Gbps Passive Direct Attach Copper Cable Assembly (DAC)

Product Description

Our SFP28 passive cable uses shielded high-speed differential cables compliant with 25G Ethernet IEEE802.3by standard and SFF-8402 SFP28 standard, it supports 25G transmission rate and is backward compatible with lower-rate applications. The SFP28 passive cable is the preferred solution for 25G rate short-distance applications. It is commonly used for data transmission in data center cabinets or adjacent cabinets. The main advantages are low cost, ultra-low power consumption (less than 0.1 watt) and high reliability.

Features

- Data rate up to 25.78125Gbps
- Length up to 5M
- Complaint with SFF8402 and SFF-8432
- Complaint with SFF 8428 MSA
- Power consumption<0.1W
- Operating Temp range 0°C~+70°C
- Hot-pluggable
- RoHS-6 compliant



Applications

- 25GBASE Ethernet
- High capacity I/O in Storage Area Networks, Network Attached Storage, and Storage Servers
- Switched fabric I/O such as ultra-high bandwidth switches and routers
- Data Center

Ordering Information

Part No.	Data rate	Len	Gauge	Passive/Active	Temp
HSE-71001-55	Up to 25.78G	1m	30AWG	Passive	0-70°C
HSE-71002-55	Up to 25.78G	2m	30AWG	Passive	0-70°C

Absolute Maximum Ratings

Parameter	Symbol	Min	Typ	Max	Units
Input Voltage	V _{cc}	3.14	3.3	3.46	V
Storage Temperature	T _s	-40		85	°C
Operating Temperature	T _c	0		70	°C

Operating conditions

Parameter	Symbol	Min	Typ	Max	Units	Ref.
Supply Voltage	V _{cc}	3.14	3.3	3.47	V	
Power Consumption	P			0.1	W	
Data Rate		1		25.78	Gbps	
Supply Current	I _{cc}			4	mA	

Cable Specifications

Parameter	Symbol	Min.	Typ	Max	Unit	Note
Wire Gauge		30AWG	-	26AWG	AWG	
Cable Impedance	Z	90	100	110	Ohms	

