
MA-CBL-TA-1M Meraki Compatible 10Gbase SFP+ Transceiver

Features

- Up to 11 Gbps bi-direction data links
- Compliant with 10GFC
- Compliant with SFF8431
- Hot Pluggable SFP+ footprint
- AC coupled inputs and outputs
- 100 Ohm differential impedance
- Enhanced EMI design
- Power supply : 3.3V
- RoHS compliant



Application

- 10GBASE Ethernet
- 10G Fiber Channel
- Serial Data Transmission

Product Overview

The Hummingbird Networks 100% Meraki Compatible MA-CBL-TA-1M SFP+ Direct Attach Copper Cables are based on 10G Ethernet IEEE 802.3ae standard, Fiber Channel and SFF8431 standard, and the passive SFP+ Cable is a low alternative or short reach applications. The passive design has no signal amplification in the cable assembly. Electric Dispersion Compensation (EDC) is typically used on the host board designs when passive cable assemblies are utilized.

Ordering Information

Part No.	Description
MA-CBL-TA-1M-HN	SFP+ Direct Attach Copper Cable Assembly, 1M, 0 to 70°C

General Specifications

Parameter	Symbol	Min	Typ	Max	Unit	Remarks
Data Rate	DR		10.3125		Gbps	IEEE 802.3ae
Bit Error Rate	BER			10^{-12}		
Operating Temperature	T _{OP}	0		70		Case Temperature
Storage Temperature	T _{STO}	-40		85		Ambient Temperature
Supply Current	I _S			4	mA	Electric Power Interface
Input Voltage	V _{CC}	3	3.3	3.6	V	
Maximum Voltage	V _{MAX}	-0.5		4	V	Electric power Interface

Cable Mechanical Specifications

Parameter	Symbol	Min	Typ	Max	Unit	Remarks
Time Delay Skew (Within Pair)	T _{DS}			100	Ps/10m	
Cable Time Delay	T _d		4.3		Ns/m	
Cable Insertion Loss	L _O		10		Db/10m	
Cable Impedance	Z _C	9.5	100	105	Ohm	

Additional Information

For more information about our compatible SFP+ cables and modules, contact:

Hummingbird Networks

sales@hummingbirdnetworks.com

Tel: 1-866-551-3278

www.hummingbirdnetworks.com