MTP®-16 Female Type 1 Fiber Loopback Module

Overview

MTP® Loopback modules are used widely within testing environment especially within parallel optics 200/400/800G networks. Devices allow verification and testing of transceivers featuring MTP® interface – 800G OSFP/QSFP-DD devices. Loopbacks are built to link Transmitter (TX) and Receivers (RX) positions of MTP® transceivers interfaces. MTP® loopbacks can facilitate and speed up IL testing of optical network segments by connecting them to MTP® trunks/patch leads.

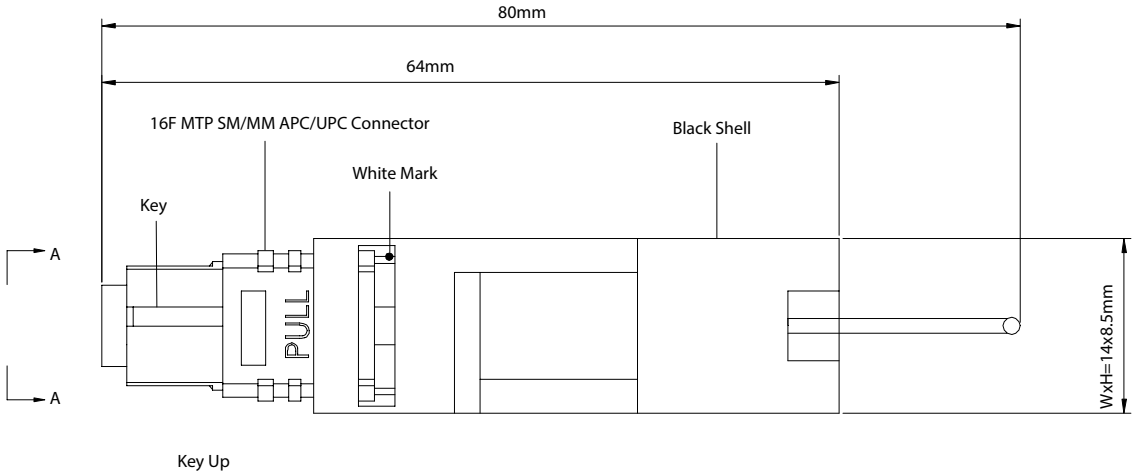
Benefits

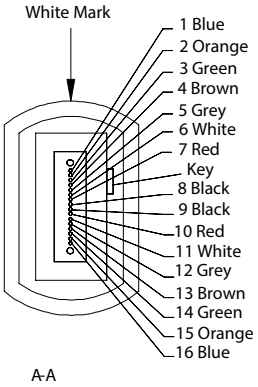
- US Conec MTP® Connector
- Easy Insertion and Extraction with Push-pull Design
- OS2: Used in Testing 200/400/800G MTP®/MPO Interface Transceivers
- OM4: Used in Testing 200G or 400G MTP®/MPO Interface Transceivers
- Test the Quality of Each Channel, Self-loop Test of a Single MTP Interface Optical Module with MTP Cable
- Used to Test the Transmission Capability and Reception Sensitivity of Optical Network Equipment
- Designed for Troubleshooting Network Failure Nodes

Technical Specification

Construction	LPM-OS2-16MTP	LPM-OM4-16MTP
Fiber type	9/125 OS2 Single Mode	OM4 50/125 Multimode
Fiber connector	MTP® Female, APC	MTP® Female, APC
Return loss	SM≥50dB	MM≥25dB
Insertion loss	SM(G.657.A 2) ≤1.5dB	MM(BIF) ≤1.2dB
Insert-pull test	50times, IL<0.5dB	50times, IL<0.5dB
Test wavelength	1310nm	850nm
Operation temperature	-40 to 75°C (-40 to 167°F)	-40 to 75°C (-40 to 167°F)
Jacket material	PC	PC

Technical Drawing





MTP Loopback:

Fiber Channel		Fiber Channel	Fiber Color
1	↔	16	Blue
2	↔	15	Orange
3	↔	14	Green
4	↔	13	Brown
5	↔	12	Grey
6	↔	11	White
7	↔	10	Red
8	↔	9	Black