

DATASHEET

12F MPO (female) -MPO (Male) Attenuator 1-20dB



OMC INDUSTRY CO.LIMITED

2018|En version1.0



12F MPO (F) - MPO (M) Attenuator

Description

MPO Attenuator is a passive component designed to evenly reduce the power of an optical signal for each fiber channel in the MPO connector without changing the signal's fundamental form. This attenuator is ideal for 40/100G applications, parallel optical transmission and other high density applications that use MPO connectors. The MPO Attenuator can significantly simplify network design, improve installation efficiency and save space.

Features and Benefits

- Consistent attenuation for each fiber channel
- Standard MPO (Male) to MPO/(Female) , easy in-line installation.
- Low back reflection, insertion loss
- Low polarization dependent loss (PDL)
- Environmentally stable
- Contaminant and scratch free ferrule Multimode attenuators available upon request Available attenuation from 1 dB to 20 dB 100% tested in factory.



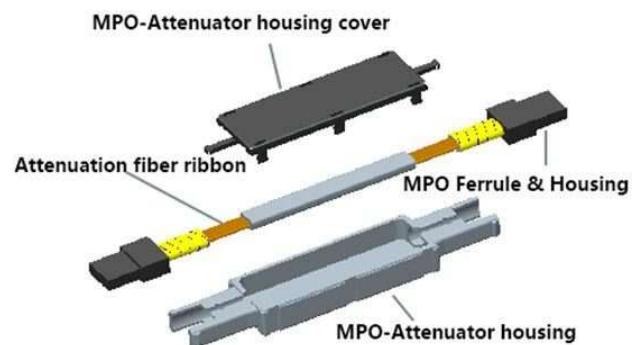
Certification and Compliance

- GR-326-CORE : Generic Requirements for Single Mode Optical Connectors and Jumper Assemblies
- GR-910-CORE :Generic Requirements for Fiber Optic Attenuators.
- GR-63-CORE :Network Equipment – Building System Generic Requirements: Physical Protection.
- ASTM B117 :Standard Practice for Operating Salt Spray (Fog) Apparatus.
- TIA-604 :Standard Test Procedure for Fiber Optic Components.
- TIA-455 series :Standard Test Procedure for Fiber Optic Components.
- IEC 60874-1 :Connectors for Optical Fibers and Cables, Generic Standard.
- IEC 61300 series:Fiber Optic Interconnecting Devices and Passive Components, Basic Test and Measurement Procedures
- RoHS: Directive on Restriction of Hazardous Substances

Specification

Parameter	Value
Fiber type	8.3/125µm OS2 Single mode
Attenuation	1 to 30 dB
Attenuation tolerance	2 to 10dB: +/- 1 dB 11 to 20 dB: +/- 10% dB
Operating wavelength	1310nm&1550nm
Operating temperature	-10° C to +75° C

Attenuation principle



Applications

- 40G/100G Installations
- Data Center
- High Density CATV, LAN, Telecommunications
- High Density Optical Transmission Systems Test and Instrument
- CWDM and DWDM System Channel Balancing