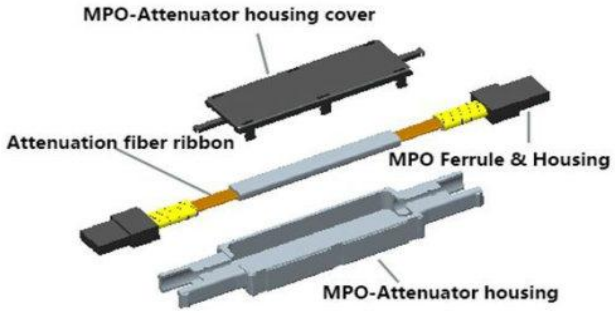
8F MPO Female male Plug-in Fixed Fiber Optical Attenuator（1-20dB）

Zion Code and Description

Zion Code	Zion Description
7237013	8F MPO Female male Plug-in Fixed Fiber Optical Attenuator（1-20dB）

Female to male Fixed attenuators from OMC offer defined control of optical signals in both integrated and add-on products. Depending on the project or need, fixed attenuators can limit (attenuate) the amount of light passing through to the exact levels your project or application requirement. These precise attenuation levels provide for highly accurate performance.



Features

- 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)
- Stable attenuation, highly Reliable
- Environmentally stable
- Contaminant and scratch free ferrule Multimode attenuators available upon
- request Available attenuation from 1 dB to 20 dB 100% tested in factory

Attenuator Application:

ZION COMMUNICATIONS' Fiber Optic Attenuator is a kind of optical device that can reduce the energy of optical signal. It is used to attenuate the input optical power and avoid the distortion caused by the optical receiver due to the super strong input optical power.Fiber Optic Attenuator, as a kind of optical passive device, is used for debugging optical power performance, debugging and calibration of optical fiber instrument in optical communication system, and optical fiber signal attenuation. The product is made of attenuating fiber doped with metal ions, which can adjust the optical power to the required level.Mainly used in: 1.CWDM&DWDM,2. data center networks,3. CATV systems,4.Test Equipment,5.40G/100G Installations

Connector Type	MPO
	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.

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.

Characteristics:

Parameter	MPO
Operating Wavelength(nm)	1310&1550
Attenuation(dB)	1 to 20
Fiber type	8.3/125μm OS2 Single mode
Mating Durability（cycle）	≥1000
Max Optical Input Power(mw)	200
Attenuation Tolerance(dB)	2 to 10dB: +/- 1 dB &11 to 20 dB: +/- 10% dB
Vibration hz(2hr)	10～55
Operating Temperature (℃)	-5 ~ +85
Storage Temperature (℃)	-40 ~ +75

Zion Communication's Hot Fiber Optical Attenuator

Zion Code	Product Code	Zion Description
7237001	ZC11FXAADXX	LC APC Female to LC APC male Plug-in Fixed Fiber Optical Attenuator （1-25dB）
7237002	ZC11FXBBDXX	LC UPC Female to LC UPC male Plug-in Fixed Fiber Optical Attenuator（1-25dB）
7237003	ZC11FXCCDXX	SC APC Female to SC APC male Plug-in Fixed Fiber Optical Attenuator（1-25dB）
7237004	ZC11FXDDDXX	SC UPC Female to SC UPC male Plug-in Fixed Fiber Optical Attenuator（1-25dB）
7237005	ZC12FXEEDXX	ST APC Female to ST APC male Plug-in Fixed Fiber Optical Attenuator（1-25dB）
7237006	ZC11FXFFDXX	ST UPC Female to ST UPC male Plug-in Fixed Fiber Optical Attenuator（1-25dB）
7237007	ZC11FXGGDXX	FC APC Female to FC APC male Plug-in Fixed Fiber Optical Attenuator（1-25dB）
7237008	ZC11FXHHDXX	FC UPC Female to FC UPC male Plug-in Fixed Fiber Optical Attenuator（1-25dB）
7237009	ZC11FXIIDXX	MU APC Female to MU APC male Plug-in Fixed Fiber Optical Attenuator（1-25dB）
7237010	ZC12FXJJDXX	MU UPC Female to MU UPC male Plug-in Fixed Fiber Optical Attenuator（1-25dB）
7237011	ZC11FXKKDXX	E2000 APC Female to E2000 APC male Plug-in Fixed Fiber Optical Attenuator（1-25dB）
7237012	ZC11FXLLDXX	E2000 UPC Female to E2000 UPC male Plug-in Fixed Fiber Optical Attenuator（1-25dB）
7237013	ZC12FXMMDXX	8F MPO（female）to MPO（Male）Fiber Optical Attenuator（1-20dB）
7237014	ZC11FXNNDXX	12F MPO（female）to MPO（Male）Fiber Optical Attenuator（1-20dB）
7237015	ZC11FXOODXX	24F MPO（female）to MPO（Male）Fiber Optical Attenuator（1-20dB）

Named Rule

Attenuation type	Connect type	Fiber Mode	Female port	Male connector	attenuation
1-Fixed	1 - Female to male	F0-SM	A-LC APC	A-LC APC	D01-1dB
		F1-OM1	B-LC UPC	B-LC UPC	D02-2dB
		F2-OM2	C-SC APC	C-SC APC	D03-3dB
		F3-OM3	D-SC UPC	D-SC UPC	D04-4dB
		F4-OM4	E-ST APC	E-ST APC	D05-5dB
		F5-OM5	F-ST UPC	F-ST UPC	D06-6dB
			G-FC APC	G-FC APC	D07-7dB
			H-FC UPC	H-FC UPC	D08-8dB
			I-MU APC	I-MU APC	.....
			J-MU UPC	J-MU UPC	
			K-E2000 APC	K-E2000 APC	
			L-E2000 UPC	L-E2000 UPC	
			M-MPO 8F	M-MPO 8F	
			N-MPO 12F	N-MPO 12F	
			O-MPO 24F	O-MPO 24F	

ZC 11 FX M M DXX

Packaging

This easily taken and well-protected fiber optical cable package has been labelled and marked by OMC as default .Standard carton size : 34*22*15 cm; 44*34*24 cm ; 54*39*34 cm . Which carton to be used depends on goods Qty . Packing can be customized.

1, Single PE Bag

2, Paper Carton

3,fumig-free Pallet

OEM/ODM service for you

OMC's MPO Female to MPO male Fixed attenuator are available for (1-20dB)

ZION Communication has rich expiriences in producing OEM/ODM cases becaused of Profession R & D team.

- Customized Logo
- Label/PE bag/Carton design