LC APC Female to LC APC male Plug-in Fixed Fiber Optical Attenuator（1-25dB）

Zion Code and Description

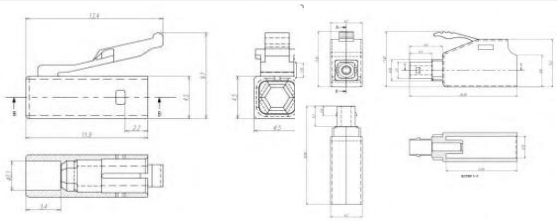
Zion Code	Zion Description
7237001	LC APC Female to LC APC male Plug-in Fixed Fiber Optical Attenuator（1-25dB）

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.

Products Materials

Parts name	Material
Connected body	PEI
Locking Body	PEI
Sleeve	High precision Ceramic sleeve
Sleeve Subassembly	Ceramic&SUS304
Inside hook	PBT/PEI
Spring	SUS304
Dust Cover	PVC

Products Drawing

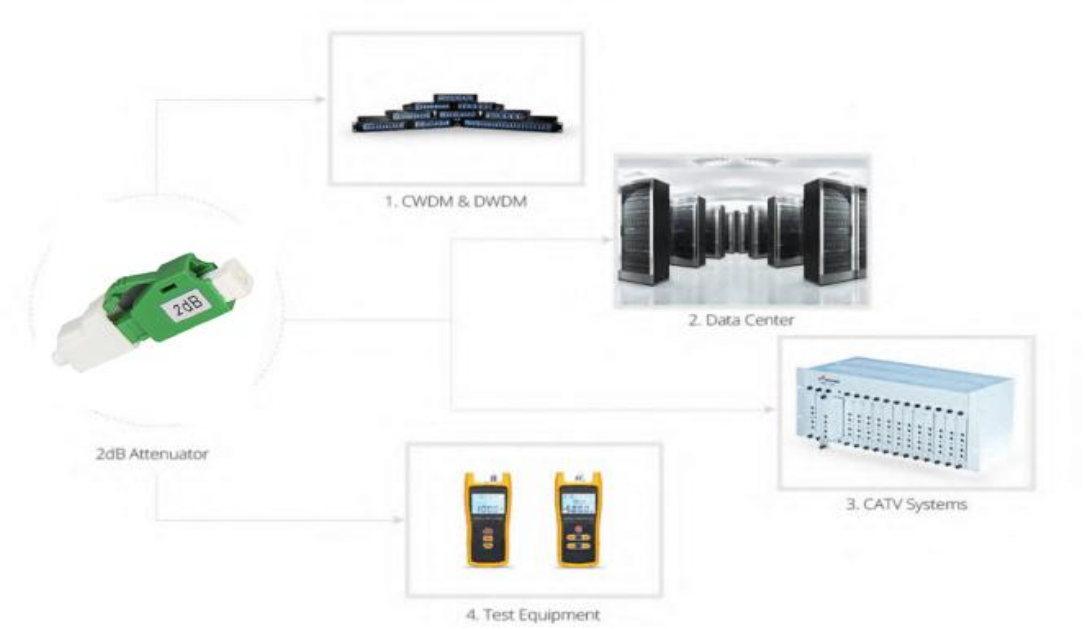


Features

- Precise Attenuation Values
- Low PDL&Insertion Loss
- Precise Reflection Polishing
- Fast Connection
- Stable attenuation, highly Reliable
- Complies with industry green initiative such as ROHS
- GR910 Compliant

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



Connector Type	LC, SC, FC, ST
	LC optical fiber attenuator: used in LC optical fiber interface, the connector to connect SFP module, it is made by the easy-to-operate modular jack (RJ) latch mechanism. (Routers are commonly used)
	SC optical fiber attenuator: applied to SC optical fiber interface, it looks very similar to RJ-45 interface, but the SC interface is flatter, the obvious difference is the contact piece inside, if it is 8 thin copper contacts, then It is an RJ-45 interface, if it is a copper column, it is an SC fiber interface.
	FC optical fiber attenuator: applied to FC optical fiber interface, the external strengthening method is a metal sleeve, and the fastening method is a turnbuckle. Generally used on the ODF side (most used on the distribution frame)
	ST optical fiber attenuator: applied to ST optical fiber interface, commonly used in optical fiber distribution frame, the shell is round, and the fastening method is turnbuckle. (For 10Base-F connection, the connector is usually ST type. Often used in optical fiber distribution frames)

Characteristics:

Parameter	FC, SC, LC，ST
Operating Wavelength(nm)	1310-1550
Insertion Loss (dB)	≤ 0.6
Return Loss (dB)	≥45
Repeatability (dB)	≤ 0.2
Resolution (dB)	≤ 0.1
Wavelength dependent loss(dB)	WDL≤ 0.3（CorLBand）
Polarization dependent loss(dB)	PDL≤ 0.2
Temperature dependent loss(dB)	TDL≤ 0.2
Tolerance for 1-5dB Attenuation(dB)	±0.5
Tolerance for 6-30dB Attenuation(nm)	±10
Mating Durability（cycle）	≥1000
Response time(dB/ms)	3
Attenuation control accuracy(dB)	±0.5
Supply voltage(DC)	± 5V
Operating Temperature (℃)	-5 ~ +65
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	

1 2 3 4 5 6

ZC 11 FX A A 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 LC Female to LC male Fixed attenuator are available for SM UPC (1-25dB) and SM APC (1-25dB)

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

- Customized Logo
- Label/PE bag/Carton design