LC/UPC 3dB Fiber Optical Attenuator

Zion Code and Description

Zion Code	Zion Description
7236004	LC/UPC 3dB Fiber Optical 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: optical fiber communication system; optical fiber CATV; high-power optical device measurement; used to attenuate the input optical power, avoiding the distortion of the optical receiver due to the super-strong input optical power.Communication Co., Ltd. have high attenuation precision, low additional loss and good stability., and wide operating temperature. It is your best choice.

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 patch Connector

Zion Code	Zion Description
7236001	SC/APC 2dB Fiber Optical Attenuator
7236002	SC/APC 5dB Fiber Optical Attenuator
7236003	SC/APC 10dB Fiber Optical Attenuator
7236004	LC/UPC 3dB Fiber Optical Attenuator
7236005	LC/UPC 5dB Fiber Optical Attenuator
7236006	LC/UPC 7dB Fiber Optical Attenuator
7236007	FC 3dB Fiber Optical Attenuator
7236008	FC 5dB Fiber Optical Attenuator
7236009	FC 7dB Fiber Optical Attenuator
7236010	ST 3dB Fiber Optical Attenuator

OEM/ODM service for you

ZION Communication has rich expiriences in producing OEM/ODM cases becaused of

- Customized Logo
- Printing on Cable
- Label/PE bag/Carton design
- Different Color & Different Lengths Available