

Fixed Plug-in Attenuator



Overview

Sourcelight Optical fiber attenuator as a kind of optical passive device, used for debugging optical power performance, optical communication system debugging optical instrument calibration, optical signal attenuation. The use of the product is mixed with metal ions attenuation of optical fiber manufacturing and into, can put the light power adjustment to the required level.

Features

- ◆ In accordance with Bellcore (GR-910-Core) standard
- ◆ Adopting high attenuation fiber with the cladding mode suppression design, featuring the excellent optic performance
- ◆ Easy connection with plug type structure
- ◆ Attenuation precise and high return loss
- ◆ Compatible with RoHS

Applications

- ◆ Optical distribution frame
- ◆ Optical fiber network system
- ◆ The high speed optical transmission system
- ◆ Cable television (CATV) system
- ◆ Trunk dense wavelength division multiplexing (DWDM) systems
- ◆ Optical add drop multiplexer (OADM)

Ordering Information

SL-LC/UPC-03

- ① ② ③ ④

①	SourceLight	SL
②	Connector Type	LC / SC / FC / MU / ST
③	Polishing Type	PC / APC
④	Attenuation	01: 1dB / 05: 5dB / 10: 10dB / 15: 15dB.....

Technical Specification

Item	Plug-in Type	
Operating Wavelength	1260 nm - 1650 nm	
Attenuation	1dB ~10 dB (1dB step) / 15 / 20 / 25 / 30 dB	
Connector Type	SC / FC / ST / LC / MU	
	PC or APC Polishing	
Tolerance	1 - 5 dB	± 0.5 dB
	6 - 20 dB	± 10% dB
	21 - 30 dB	± 2.0 dB
Return Loss	≥50 dB (PC) / ≥65 dB (APC)	
Polarization Loss	≤ 0.2 dB	
Insertion Loss variation after 500 connections	≤ 0.1 dB	
Insertion Loss variation during withdraw force test	≤ 0.2 dB	
Tensile strength of welding	> 100N	
Environmental Temperature	- 40°C ~ + 75°C	
Storage Temperature	- 45°C ~ + 85°C	
Temperature Sensitivity	0.003 dB/°C	
Max. Power Capability	250 mW	

Shenzhen Sourcelight Technology Co., Ltd

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