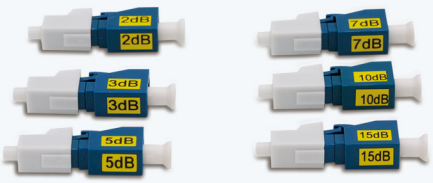
PRODUCT INTRODUCTION

Fixed Attenuator



As an optical passive device, the optical fibre attenuator is used for debugging the optical power performance in the optical communication system, debugging the calibration and correction of the optical fibre instrument, and attenuating the optical fibre signal. The product is made of attenuated fibre doped with metal ions, which can adjust the optical power to the required level.
The fixed attenuator is an optical device that can reduce the energy of the optical signal. It is used to attenuate the input optical power and avoid the distortion of the optical receiver due to the super strong input optical power. YOSC's fixed attenuator products include six types: 2dB, 3dB, 5dB, 7dB, 10dB, and 15dB.

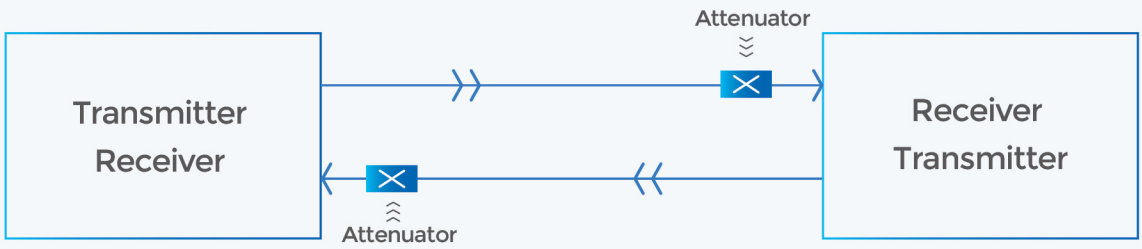
Features

- The attenuation value varies from 2dB up to 15dB (2dB, 3dB, 5dB, 7dB, 10dB, 15dB)
- Communication band covers 1260 nm to 1625 nm
- Plug structure, easy to install
- Various plugs available
- Precise attenuation and high return loss
- Meet GR-1221-CORE, GR-1209-CORE, GR-468-CORE standard certification

Applications

- Optical distribution frame
- Optical fibre network system
- High speed optical fibre transmission system
- CATV system
- Long distance trunk dense wavelength division multiplexing (DWDM) system
- Optical add drop multiplexer (OADM)
- Measurement of high power optical devices

Product characteristics / Enhanced graph



Parameters

Specifications

Type	ATT-XXdB-XX-XX*①					
Parameters	Optical specifications					
Wavelength range(nm)	1260 ~ 1625					
ATT(dB)	2	3	5	7	10	15
ATT range(dB)@1260nm~1610nm	2.0 ± 0.5	3.0 ± 0.5	5.0 ± 0.5	7.0 ± 0.7	10.0 ± 1.0	15.0 ± 1.5
ATT range(dB)@1610nm~1625nm	2.00 ± 0.75	3.00 ± 0.75	5.00 ± 0.75	7.00 ± 0.95	10.0 ± 1.0	15.0 ± 1.5
Repeatability(dB)	2.0 ± 0.5	3.0 ± 0.5	5.0 ± 0.5	7.0 ± 0.5	10.0 ± 0.5	15.0 ± 0.5
Plug in & out times(circle)	≥ 200					
Optical power(mw)	≥ 500					
Return loss (dB)	≥ 45					
Type of connector	LC/UPC, SC/UPC, ST/UPC, FC/UPC, MU/UP					

Environmental indicators

Storage temperature(℃)	-40	-	85
Operating temperature (℃)	-5	-	65
Relative humidity	5	-	95

*① ATT-XXdB-XX-XX, where the first XX refers to the attenuation value, the second XX refers to the optical fibre type, and the third XX refers to the structure type