

Optical Fibre Attenuator

The Optical Fibre Attenuator product has the function of fixed attenuator value of 2dB to 15dB, which provides fixed attenuation for the communication system, so that the communication system can achieve the appropriate output power.

Characteristics

- Selectable diversification of attenuation values (2 dB, 3 dB, 5 dB, 7 dB, 10 dB, 15 dB)
- Cover communication band 1260nm - 1625nm
- Plug structure for easy installation
- Diverse plug types
- Precision attenuation value and high return loss
- Meet or Exceed GR-1221-CORE, GR-1209-CORE, GR-468-CORE standard specification



Applications

- Optical distribution frame
- Optical network system
- High-speed optical fibre transmission system
- Cable TV (CATV) system
- Long-distance trunk line dense wavelength division multiplexing (DWDM) system
- Optical add / drop Multiplexer (OADM)
- High power optical device measurement

Specifications

Product Type	ATT-XXdB-XX-XX*①		
Parameters	Minimum	Typical	Maximum
Wavelength Range (nm)	1260-1625		
Attenuation Value (dB)	2	3	5
Attenuation Range (dB)@1260nm - 1610nm	2.0 ± 0.5	3.0 ± 0.5	5.0 ± 0.5
Attenuation Range (dB)@1610nm - 1625nm	2.00 ± 0.75	3.00 ± 0.75	5.00 ± 0.75
Repeatability (dB)	2.0 ± 0.5	3.0 ± 0.5	5.0 ± 0.5
Plug in & out Times (circle)	≥ 200		
Optical Power (mW)	≥ 500		
Return Loss (dB)	≥ 45		
Connector Type	LC/UPC, SC/UPC, ST/UPC, FC/UPC, MU/UP		
Wavelength Range (nm)	1260 - 1625		
Attenuation Value (dB)	7	10	15
Attenuation Range (dB)@1260nm - 1610nm	7.0 ± 0.7	10.0 ± 1	15.0 ± 1.5
Attenuation Range (dB)@1610nm - 1620nm	-	10.0 ± 1	15.0 ± 1.5
Attenuation Range (dB)@1610nm - 1625nm	7.00 ± 0.95	-	-
Repeatability (dB)	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		
Connector Type	LC/UPC, SC/UPC, ST/UPC, FC/UPC, MU/UP		

*①ATT-XXdB-XX-XX, the first XX means the attenuation value, the second XX means fibre type and the third XX means structure type

Environmental Characteristics

Parameters	Index	
	Minimum	Maximum
Storage Temperature (°C)	- 40	85
Operating Temperature (°C)	- 5	65
Relative Humidity (RH%)	5	95