Fixed Male to Female Attenuator

1. Product Description

Fixed male to female attenuator is a passive device used to reduce the intensity of optical signal without significantly changing the transmission wavelength. This device is used in transmission links such as dense wavelength division multiplexer (DWDM) and erbium-doped fiber amplifier (EDFA) with high intensity optical power. This product USES the patented metal ion erbium-doped fiber to effectively reduce the intensity of optical signal transmission. Compared with the optical fiber offset welding method that only changes the direction of optical transmission, the production process of this product has a significant difference in all aspects. It is suitable for 1310-1550, C and L bands, and can withstand the transmission of high-intensity light power over 1W for a long time, better adapting to EDFA and other high-power applications. Low polarization loss (PDL) and stable independent wavelength distribution make optical fiber attenuator an ideal choice for DWDM.

2. Product Application

*EDFA

*DWDM

*OADM

*CATV

3. Product Features

* erbium-doped metal ion attenuation fiber is adopted

* long time to withstand high power optical signal transmission

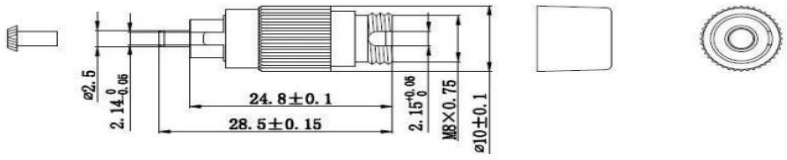
* 1260-1640nm bandwidth, applicable to both 1310 and 1550 wavelengths

* attenuation range 0-30db, distinguish between standard and quality products with two different indicators

4. Products Indicators

	Unit	Condition	Standard(R Level)
Attenuation Range	dB	UPC&APC	0-30
Attenuation deviation	dB	0-4	-0.5~+0.5
	dB	5-10	-10%*X~+10%*X
	dB	11-30	
Return loss	dB	UPC	⩾50
		APC	⩾60
Working Wavelength	Nm	--	1310&1550
Working Broadband	Nm	--	1260~1640
Working Temperature	°C	--	-40~+75
Storage Temperature	°C	--	-40~+85
Vibration loss	dB	10-55Hz，2hours	⩽0.2
Drop loss	dB	1.5M，5 times drops	⩽0.2
Maximum Power	MW	--	500
3D standard	--	Compliant	⩾70%
3D standard	--	100% comply with 3D standard	Option*

5. Product Picture and Dimension

FC	
Picture	
Dimension	

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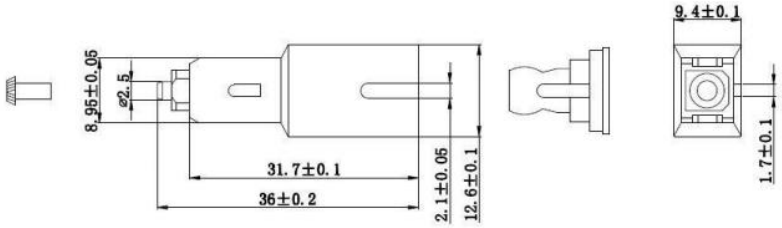
Dimension	

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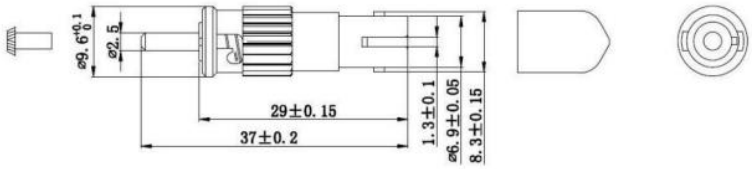
Dimension	

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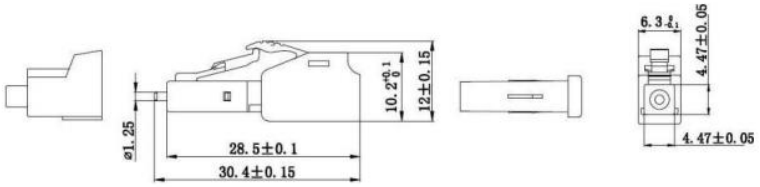
Picture	
Dimension	

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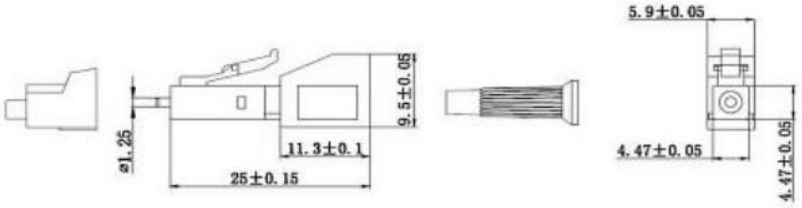
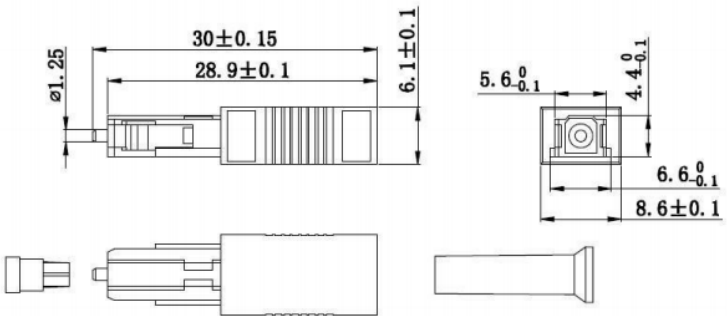
Dimension	

MU	
Picture	
Dimension	

Packing Pictures