FBT WDM Specification

Description

1x2 FBT (Fused Biconic Taper) WDM device is based on the fused biconical taper technology, which can make two optical fiber become fused biconical taper under high temperature, then after packaging it can add or drop the different optical wavelength signal. The most commonly used are 1310nm and 1550nm wavelengths combined and split

Applications

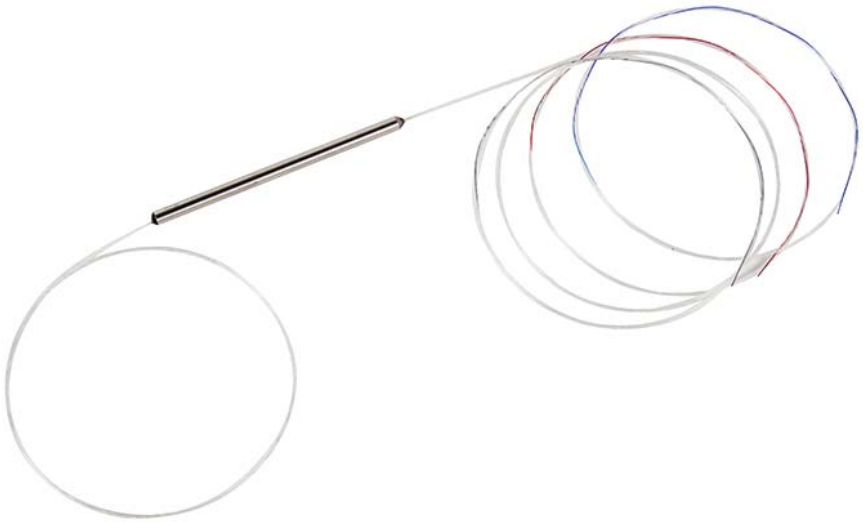
1. CATV Systems
2. Network Monitoring
3. Test Equipment
4. Telecommunications

Features

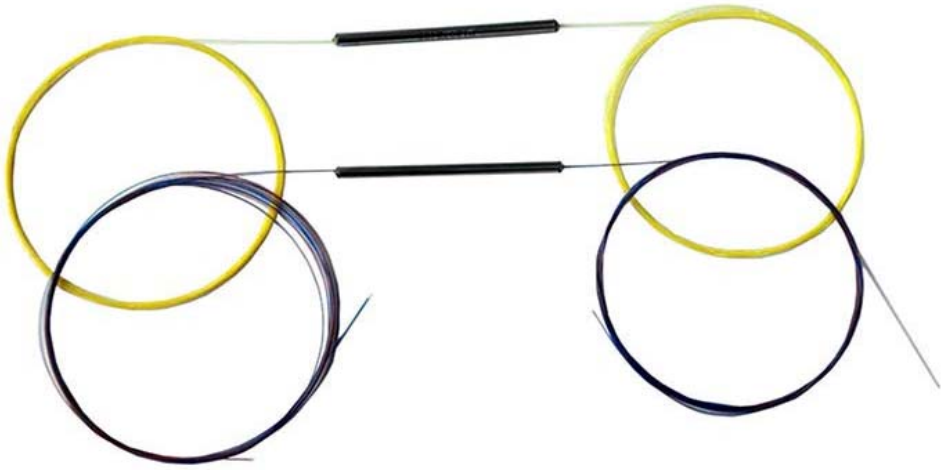
1. High Channel Isolation, low Insertion Loss.
2. High Stability and reliability.
3. Material meet RoHS.
4. Meet GR 1209,GR 1221 requirement

Specification

Parameter	P Grade	A Grade
Pass band Wavelength Range(nm)	1295~1325	
Reflection Wavelength Range(nm)	1535~1565	
Insertion Loss(dB)	0.6	0.3
Isolation(dB)	≥25	≥17
Directivity(dB)	≥55	≥55
Return Loss(dB)	≥55	≥55
Polarization Dependent Loss (dB)	0.1	
Polarization Mode Dispersion(ps)	0.1	
Operating Temperature Range (℃)	-5~+70	
Storage Temperature Range(℃)	-40~85	
Optical fiber type	Corning SMF 28e+ or equal(customized)	
Optical fiber length(m)	≥1.0(customized)	
Package dimension (mm)	Steel Tube：3.0x56	



Package in steel tube and bare fiber out



Package in steel tube



Package in ABS Box