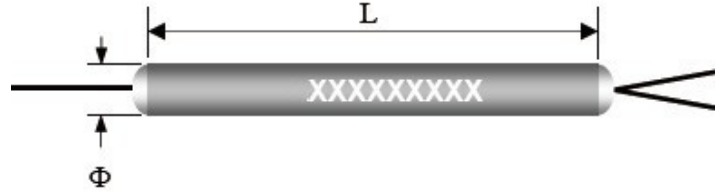




1310/1550nm Fused Wavelength Division Multiplexer (WDM)

1310/1550nm WDM can be used to combine or split 1310nm and 1550nm optical signals, which double the fiber transmission capability and ensure bi-direction communication in a single fiber. It is widely used for fiber communication systems upgrade to expand the system capacity.

The products are Telcordia GR-1221/1209-CORE qualified, and RoHS compliant.



Features

- ◆ Low insertion loss
- ◆ High isolation
- ◆ Compact Size
- ◆ Top Quality-Price ratio

Applications

- ◆ Long-haul single and bidirectional
- ◆ telecommunications system
- ◆ Digital, hybrid and am-video systems
- ◆ High-speed multi-wavelength systems

Performance Specifications

Parameter	Specification			
Type	WA	WB	WC	
Operating Wavelength (nm)	1295 ~ 1325/1528 ~ 1565			
Grade	P	A	P	P
Max. Insertion Loss (dB)	0.30	0.40	0.70	1.2
Isolation (dB)	> 17	> 16	> 34	> 45
PDL (dB)	< 0.10	< 0.10	< 0.10	< 0.15
Return Loss(dB)	> 55			
Directivity (dB)	> 60			
Operating Temperature (°C)	-10 ~ +70(-40 ~ +85 available upon request)			
Storage Temperature (°C)	-40 ~ +85			
Fiber Type	Single Mode Corning SMF-28			
Fiber Pigtail Length (m)	1m or custom length			
Port Configuration	1x2 or 2x2			
Package Dimension (mm)	Package A, B, C, D	Package D	Package D	

*The above specification is without connector.

**Other specifications can be made on customer request.

Package Information

Package Type	A	B	C	D
Fiber Diameter	250µm bare fiber	900µm loose tube	900µm/2mm/3mm loose tube	900µm/2mm/3mm loose tube
Dimensions (Φ×L)	Φ3.0mm×54mm	Φ3.0mm×60mm	90mm×20mm×9.5mm	100mm×80mm×10.5mm



Order information

FBT-①-②②-③③-④④④④-⑤-⑥-⑦⑦-⑧⑧-⑨⑨

①	②②	③③	④④④④	⑤	⑥	⑦⑦	⑧⑧	⑨⑨
Grade	Wavelength	WDM configuration	Port	Package	Fiber Type	Fiber Diameter	Fiber Length	Connector
P: P Grade A:A Grade	35:1310/1550nm	WA:Type A WDM WB:Type B WDM WC:Type C WDM	0102:1x2 0202:2x2	A:Packag e A B:Packag e B C:Packag e C D:Packag e D	0:SMF-28 S:Special	25:250um 90:900um 20:2.0mm 30:3.0mm XX: Others	05:0.5m 10:1.0m 15:1.5m XX:Others	00:None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC LP: LC/PC LA: LC/APC ST: ST/PC XX: Others