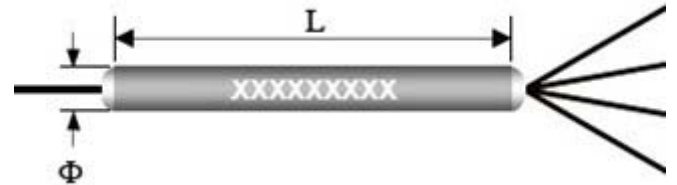




1X4 Monolithic Triplex Window Single Mode Coupler

1X4 monolithic couplers have the compact package size, low insertion loss, and high reliability performance. These couplers were designed for optical modules and the fiber sensors, fiber testing instruments.

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



Features

- ◆ Small Dimension
- ◆ Low Insertion Loss
- ◆ Low PDL

Applications

- ◆ Optical Communication System
- ◆ Optical Sensor
- ◆ Instrument Testing

Performance Specifications

Parameter	Specification	
Type	1×4 TBC	
Operating wavelength (nm)	1310,1490 and 1550	
Operating bandwidth (nm)	1310±40,1490±10 and 1550±40	
Grade	P	A
Typical excess loss (dB)	0.3	0.4
Insertion loss (dB)	≤7.2	≤7.5
PDL (dB)	≤0.25	≤0.3
Uniformity (dB)	≤1.4	≤1.8
Directivity (dB)	≥55	
Operating temperature (°C)	-40 ~ +85	
Dimensions (Φ×L)(mm)	Φ3.0X54(250μm)	
	Φ4.0X65(900μm)	

*The above specification is without connector

**Other specifications can be made on customer request.

Order information

FBT-X-①-②②-③③-④④④④-⑤-⑥-⑦⑦-⑧⑧-⑨⑨

X	①	②②	③③	④④④④	⑤	⑥	⑦⑦	⑧⑧	⑨⑨
Type	Grade	Wave-length	Coupling Ratio	Port	Package	Fiber Type	Fiber Diameter	Fiber Length	Connector
T:TWC	P: P Grade A:A Grade	345:1310/1490/1550nm XX:Others	AV :Tree Coupler XX:Others	0104:1x4	A:Φ3.0X54 B:Φ4.0X65 x:Others	0:SMF-28 X:Others	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