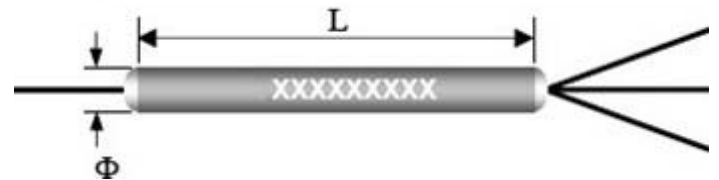




1X3 Monolithic Single Mode Coupler

1X3 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					
	1×3 SSC		1×3 WBC		1×3 DWC	
Type	1×3 SSC		1×3 WBC		1×3 DWC	
Operating wavelength (nm)	1310 or 1550		1310 or 1550		1310 and 1550	
Operating bandwidth (nm)	±15		±40		±40	
Grade	P	A	P	A	P	A
Typical excess loss (dB)	0.1	0.15	0.1	0.15	0.1	0.15
Insertion loss (dB)	≤5.4	≤5.7	≤5.6	≤6.0	≤5.8	≤6.2
PDL (dB)	≤0.2	≤0.25	≤0.2	≤0.25	≤0.25	≤0.3
Uniformity (dB)	≤0.8	≤1.2	≤1.0	≤1.4	≤1.2	≤1.5
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	Wavelength	Coupling Ratio	Port	Package	Fiber Type	Fiber Diameter	Fiber Length	Connector
S:SSC W:WBC D:DWC	P: P Grade A:A Grade	13:1310nm 15:550nm 35:1310/1550nm XX: Others	AV :Tree Coupler XX: Others	0103:1x3	A:Φ3.0X54 B:Φ4.0X65 x: Others	0:SMF-28 1:Corning Flexcore 1060 2:Corning Flexcore 780nm D:DS Fiber 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