



1310nm Single-Mode Broadband Coupler

FEATURES:

- All Fiber FBT Devices
- Near Zero Back Reflection
- High Extinction Ratio
- Wide Wavelength Range

APPLICATIONS:

- Optical fiber sensors
- Raman amplifiers
- Laser systems

All-Fiber couplers are made from proven fused technology with variety of optical performance at different wavelengths to fulfill system designer's requirements. These compact devices provide low insertion loss, extremely low back reflection, good extinction ratio and stability over variety of environmental conditions. In house process expertise allows having extremely tight control on the optical performance, quality and reliability. These devices are designed to meet Telcordia standards GR 1209 and GR 1221.

SPECIFICATIONS

Specifications	
Wavelength Range	1310 nm
Fiber Configuration	1x2, 2x2
Polarization Axis	Slow Axis Aligned
Grade	Premium P Grade
Extinction Ratio(Cross Talk) dB	typical 20, Max 23
Excess Loss	0.3 typical and max 0.4
Coupling Ratio	1, 5, 10, 50 or 99%
Bandwidth	+/-20 nm
Directivity	>55 dB
Input Power	>2 W
Return loss	>55 dB
Storage Temperature.	-50 to 85°C
Operating Temperature	-40 to 85 °C
Fiber Type	SMF-28e. Or Reduced Cladding
Pigtail Option	1 m fiber standard
Package Size	3x 55 mm (bare fiber)

Ordering Information: contact Fiberlogix for splitting ratio, wavelengths and tolerance info.
FL-FPMC-AB-CD-EF-GHAB=Fiber Configuration, 12:1x2, 22:2x2, 13:1x3, CD= Wavelength, 13:1300, 14:1480 and 15:1550 nm, EF=Coupling Ratio, 01:1%, 05:5%, 50:50%, GH= 25: 250 um Bare Fiber or 90: 900 um Loose Tube

Other Wavelength Options: 850, 1064 and 1550nm