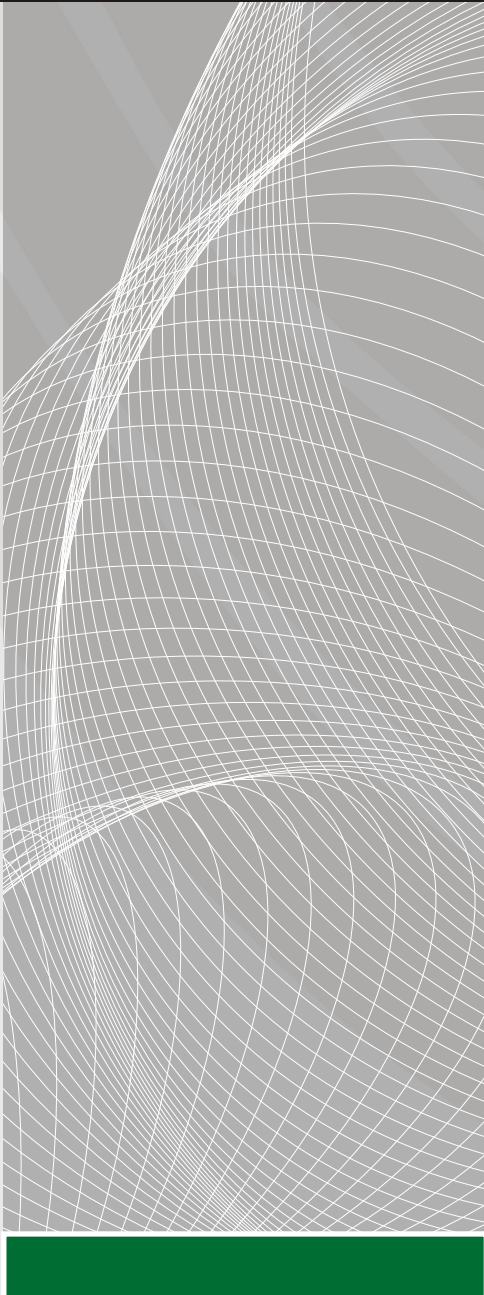


Single Mode Fiber Optic Coupler



Devices



APPLICATIONS

Optical networks

CATV

Test and measurement equipment

Fiber sensors

FEATURES

All fiber construction

Bidirectional

Low loss

Low back reflection

Wideband

Environmentally stable

Harnessing
The Power
Of Light



Single Mode Fiber Optic Coupler and Taps

Optical Fiber Couplers are reliable passive devices for splitting optical signal in number of optical network applications. FiberLogix manufactures All-Fiber couplers 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, low polarization dependence and stability over variety of environmental conditions. In house process expertise allow to have extremely tight control on the optical performance, quality and reliability. These devices are designed to meet Telcordia standards GR 1209 and GR 1221.

FiberLogix offers a number of connector options with different housing dimensions. The housing dimension and optical performance can be tailored to meet customer's requirements.

SPECIFICATIONS

	Grade A	Grade B
Port configuration	2 x 2 or 1 x 2	
Operating wavelength	1310 nm, 1550 nm or 1310 nm & 1550 nm (DW*)	
Insertion loss	≤ 3.4 dB	≤ 3.8 dB
Excess loss	≤ 0.25 dB (≤ 0.30)	≤ 0.4 dB
Coupling ratio	50 / 50 ± 5% or 1, 2, 5, 10, 20%	
Directivity	≥ 55 dB	
Operating temperature	-20 °C to +80 °C	
Packaging dimensions	Also available Minature & Micro pkgs	
■ Standard for 250 μm fiber	Diameter = 3.0 mm, Length = 30 mm (40mm DW*)	
■ Ruggedized for 3.0 mm PVC cable	Length = 95 mm, Height = 10 mm, Width = 12 mm	
■ Pigtaills length	~ 1.0 meter each	

* DW - Dual Window

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