



ISO 9001 Certified

ENGINEERING

Single Mode Miniaturized Fiber Optic Coupler



Devices

APPLICATIONS

Optical networks

CATV

Test and measurement equipment

Fiber sensors

FEATURES

All fiber construction

Small size

Bidirectional

Low loss

Low back reflection

Wideband

Environmentally stable

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Pioneers Of Optical Fiber In Pakistan

Harnessing The Power Of Light

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Single Mode Miniaturized Fiber Optic Coupler

Single Mode Miniaturized Fiber Optic Couplers perform the same basic function as single mode 2 x 2 fiber optic couplers i.e. splitting and tapping optical signal in number of applications. The additional feature is the miniaturized housing which makes them useful for any compact application. LT Engineering manufactures All-Fiber miniaturized 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 allows 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.

SPECIFICATIONS

Port configuration	2 x 2 or 1 x 2
Operating wavelength	1310 nm or 1550 nm
Insertion loss	≤ 3.5 dB
Excess loss	≤ 0.3 dB
Coupling ratio	50 / 50 \pm 5% (standard)
Directivity	≥ 55 dB
Operating temperature	-20 °C to +80 °C
Packaging dimensions	
■ Standard for 250 μ m fiber	Diameter = 3.0 mm, Length = 25 mm
■ Pigtailed length	~ 1.0 meter each

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