

Fiber Optic U-Turn

Re-routing Fiber in a Compact Space

Lightel offers a fiber optic device which enables the user to perform a 180 degree bend in a compact 4 mm diameter package for both single mode and polarization maintaining (PM) fiber. The unit has low insertion loss and supports 1310 nm or 1550 nm wavelengths. This compact device is ideal for fiber re-routing in complex optical systems where space and input/output location are critical. The device also has use as a turnaround in fiber optic sensor systems and compact test equipment. The component is available with bare fiber or 900 μm tubing pigtailed and a wide variety of connector types.

Features

- 180° turn in small 4 mm diameter
- Supports single mode or PM fiber
- Low insertion loss
- Compact package
- Custom packages and customer specified fiber available



➔ Specifications






Parameter	Specification
Central Wavelength (λ_c)	1310 nm or 1550 nm
Bandwidth	± 30 nm
Insertion Loss	≤ 0.8 dB
Extinction Ratio (PM fiber)	≥ 20 dB
PDL (SM)	≤ 0.05 dB
PMD	≤ 0.05 ps
Maximum Power	300 mW
Operating Temperature	0° C ~ +70° C
Storage Temperature	-40° C ~ +85° C
Package Dimensions	4 mm (Φ) x 17 mm (L)

Note 1: All values specified are without connectors

Note 2: SM fiber type: Corning SMF-28e

Note 3: PM fiber type: PM Panda fiber

➔ Ordering Information

<u>U</u> <u>T</u> <u>N</u>	-		-		-		-		-	
		Fiber Type		Center Wavelength		Fiber Length		Pigtail Style (=Package style)		Connector
		SM: SM fiber PM: PM fiber		13: 1310 nm 15: 1550 nm		A: 1 meter		B: bare fiber L: 900 μm loose tube		0: None 7: LC/UPC 1: FC/PC 8: LC/SPC 2: FC/APC 9: Special 3: SC/PC A: FC/UPC 4: SC/APC B: SC/UPC 5: FC/SPC C: ST 6: SC/SPC