



Hermetic Fiber Feedthrough (FT Series)

Rev 11B

Description

AFR provides Hermetic Fiber Feedthrough by hermetically attaching gold plated metal ferrule to fiber cables base on different applications to guarantee excellent hermetic feedthrough performance. SM, MM, PM individual fiber or ribbon fiber available upon request. The hermetic feedthrough is commonly used in PLC module, LD packaging and integrated optics packaging for hermetic sealing purpose.

Key Features

- Excellent Hermetic Feedthrough Performance

Applications

- PLC Module
- LD Packaging
- Integrated Optics Packaging

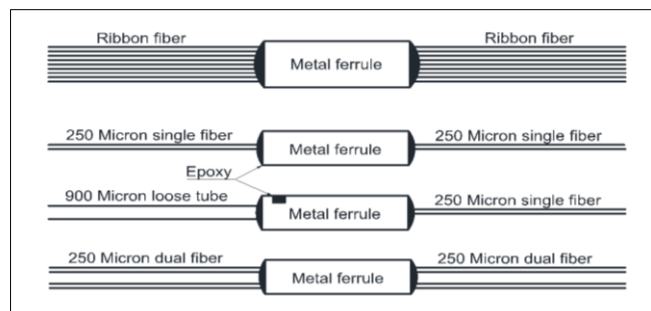
Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1550
Max. Insertion Loss	dB	0.3
Max. Helium Leak Rate	Pa. m ³ /s	1.0×10^{-9}
Min. Pull Strength	N	10
Max. Average Optical Power	mW	300
Max. Soldering Temperature Allowed	°C	200
Storage Temperature	°C	- 40 to + 85

¹ IL is 0.3 dB higher for each connector added.

² Extinction Ratio \geq 23 dB when fiber type is Polarization Maintaining fiber.

Package Dimensions



Ordering Information

FT-①-②-③-④-⑤-⑥-⑦

- | | | | | |
|---|-----------------------|---------------|----------------------------|------------------------------|
| ①: Ferrule Material | ②: Number of Channels | ③: Wavelength | ④: Fiber Jacket | ⑤: Coating |
| K - Gold plated Kovar 01 - Single fiber | 02 - Dual channels | O - 1310 nm | B - 250 μ m bare fiber | AR - Anti-Reflective coating |
| S - Specify | 12- 12 channels | C - 1550 nm | L - 900 μ m loose tube | N - None |
| | SS - Specify | S - Specify | S - Specify | SS - Specify |
| ⑥: Fiber length | ⑦: Connector Type | | | |
| 1 - 1 m | FU - FC/UPC | | | |
| 1.5 - 1.5 m | FA - FC/APC | | | |
| SS - Specify | N - None | | | |
| | SS - Specify | | | |