Advanced Fiber Resources (HK), Ltd.

# Hermetic Fiber Feedthrough (FT Series)

Rev 11

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. It is commonly used in PLC module, LD packaging and integrated optics packaging for hermetic sealing purpose.

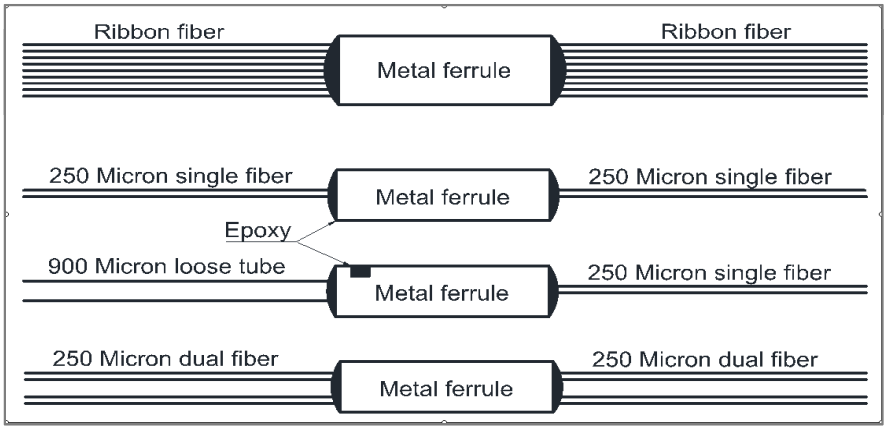
## Specifications

| Parameter | Unit | Value |
|---|---|---|
| Max. Insertion Loss | dB | 0.3 |
| Helium Leak Rate | $Pa.m^3/s$ | ≤1.0*10-9 |
| Pull Strength | N | ≥10 |
| Max. Soldering Temperature Allowed | ℃ | 260 |
| Storage Temperature | ℃ | -40 to +85 |

* IL is 0.3dB higher for each connector added.

** Extinction Ratio ⩾ 23 dB when fiber type is PM fiber.

## Package Dimensions




## Ordering Information

**FT**-①-②-③-④④-⑤

①: Ferrule Material
K - Kovar
N - Ni
S - Specify

②: Connector Type
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

③: Fiber Jacket
B - 250 μm bare fiber
L - 900 μm tight buffer
S - Specify

④④: Number of Channels
01 - Single fiber
02 - Dual channels
08 - 8 channels
12 - 12 channels
SS - Specify

⑤: Fiber Type
S - Singlemode fiber
M - Multimode fiber
R - Ribbon fiber
S - Specify