**Hermetic Fiber Feedthrough (FT Series)**

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**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Insertion Loss</td>
<td>dB</td>
<td>0.3</td>
</tr>
<tr>
<td>Helium Leak Rate</td>
<td>Pa.m³/s</td>
<td>≤1.0*10⁻⁹</td>
</tr>
<tr>
<td>Pull Strength</td>
<td>N</td>
<td>≥10</td>
</tr>
<tr>
<td>Max. Soldering Temperature Allowed</td>
<td>°C</td>
<td>260</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>°C</td>
<td>-40 to +85</td>
</tr>
</tbody>
</table>

* IL is 0.3dB higher for each connector added.
** Extinction Ratio ≥ 23 dB when fiber type is PM fiber.

**Package Dimensions**

**Ordering Information**

FT-①-②-③-④⑤-⑥

①: Ferrule Material ②: Connector Type ③: Fiber Jacket ④⑤: Number of Channels
K - Kovar 1 - FC/UPC B - 250 μm bare fiber 01 - Single fiber
N - Ni 2 - FC/APC L - 900 μm tight buffer 02 - Dual channels
S - Specify 3 - SC/UPC S - Specify 08 - 8 channels
N - None 4 - SC/APC 09 - 9 channels
S - Specify 12 - 12 channels

⑥: Fiber Type
S - Singlemode fiber
M - Multimode fiber
R - Ribbon fiber
S - Specify

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