



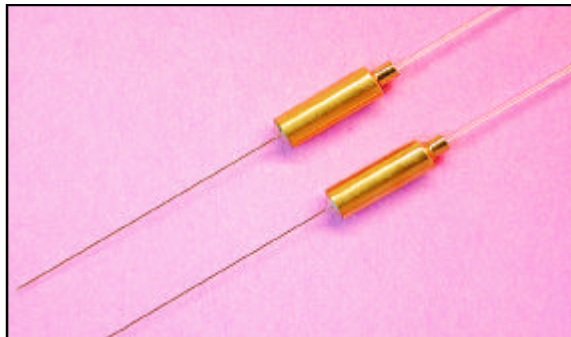
OZ OPTICS LTD.

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HERMETICALLY SEALABLE PATCHCORDS WITH METAL SOLDER

FEATURES

- Meets Telcordia Requirements
- Singlemode, Multimode, or Polarization Maintaining fibers
- Single or Multiple fiber designs
- Installed using standard solders
- Available terminated with round or rectangular ferrules, for easy alignment
- Custom configurations can be designed
- Large volume manufacturing capacity



APPLICATIONS

- Laser diode packaging
- Waveguide packaging
- Integrated optics packaging
- Vacuum feedthrough assemblies

SPECIFICATIONS

Helium leak rate <10⁻⁸ ATM-cc/sec
Operating temperature -40°C to +85°C
Pull strength >10N
Polarization Extinction Ratio >20dB, 25dB, or 30dB available for 1300 -1625nm

PRODUCT DESCRIPTION

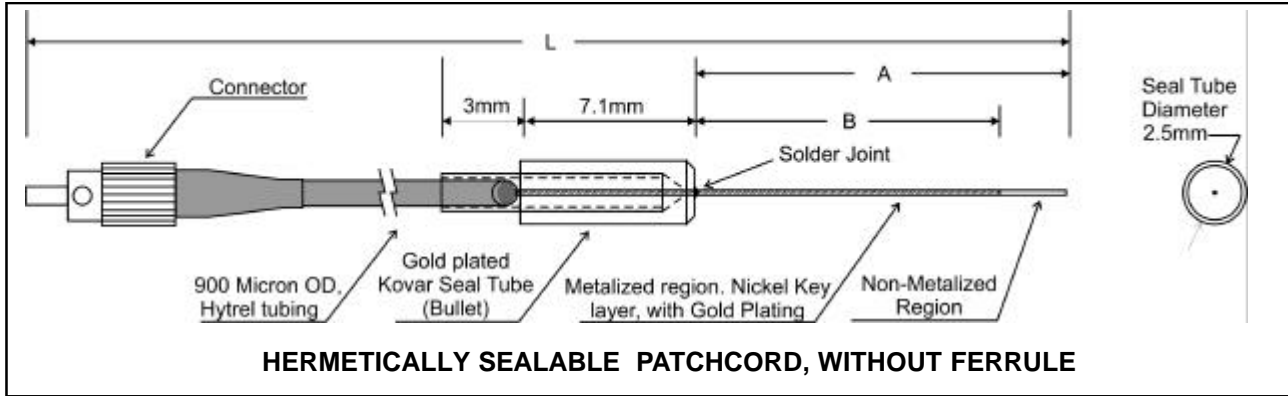
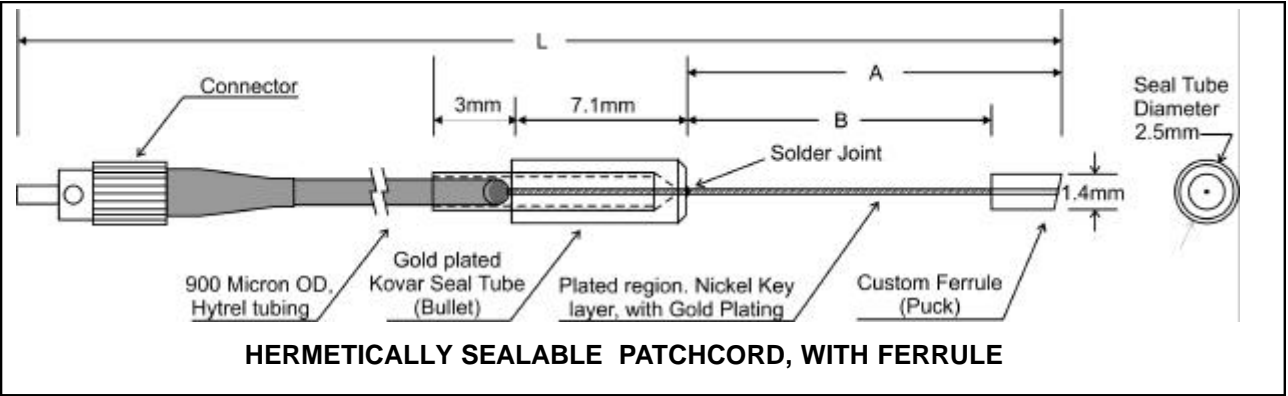
OZ Optics Hermetically Sealed Patchcords are designed for today's stringent requirements for component packaging. Utilizing metalized tipped fibers and a proprietary sealing process, these patchcords feature a rugged hermetic feedthrough that can be soldered into an opto-electronic package using standard tin/lead solders, to make a seal that conforms to the requirements of Telcordia GR-468-CORE.

OZ Optics Hermetically sealed patchcords are available with Singlemode, Multimode or Polarization Maintaining (PM) fibers. PM Fibers offer a means to control the

polarization of optical signals throughout the system, thus controlling polarization dependent losses (PDL) and polarization mode dispersion (PMD). This control is crucial in developing high speed, next generation, 40Gbs and faster systems.

Please use the standard part numbering worksheet on the next page to select the configuration that best suits your application. Custom configurations can be designed when required. OZ Optics' experienced team of engineers offers the knowledge and skills to create custom designs to meet your specific needs. Please contact OZ Optics for more information.

ORDERING INFORMATION



Fiber Type

M = Multimode
S = Singlemode
P = Polarization Maintaining

Connector Code

3 = NTT-FC/PC
3S = Super NTT-FC/PC
3U = Ultra NTT-FC/PC
3A = Angled NTT-FC/PC
8 = AT&T-ST
SC = SC
SCA = Angled SC
LC = LC

See Table 6 of the Standard Tables data sheet for other connectors

Wavelength in nanometers
(Example: 1550 for 1550nm)

HFMJ-X-W-a/b-JD-Y-A-B-L

Overall assembly length in meters

Metalized Fiber Length, in millimeters

Protruding Fiber Length in millimeters

Ferrule type

C1.4 = Circular 1.4mm dia.
C2.5 = Circular 2.5mm dia.
R = Rectangular
X = No ferrule

Fiber Jacket Type:

0.25 = 250 micron acrylate coating
0.4 = 400 micron acrylate coating
1 = 900 micron hytrel jacket

Fiber Core/Cladding sizes in microns
9/125 for 1300/1550 Singlemode fiber
See Tables 1 to 5 of the Standard Tables data sheet for other standard fiber sizes