



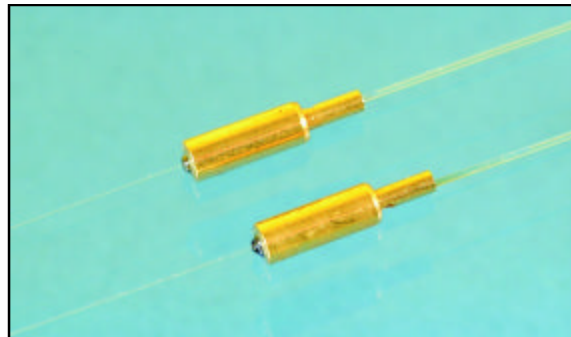
OZ OPTICS LTD.

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HERMETICALLY SEALABLE PATCHCORDS WITH GLASS SOLDER

FEATURES

- Singlemode, Multimode, or Polarization Maintaining fibers
- Single or multiple fiber designs
- Alternative to gold plating methods
- Installation using standard solders
- Available terminated with round or rectangular ferrules, for easy alignment
- Custom configurations can be designed
- Large volume manufacturing capacity
- Low Cost



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
Polarization Extinction Ratio:	>20dB, 25dB, or 30dB available for 1300 -1625nm

PRODUCT DESCRIPTION

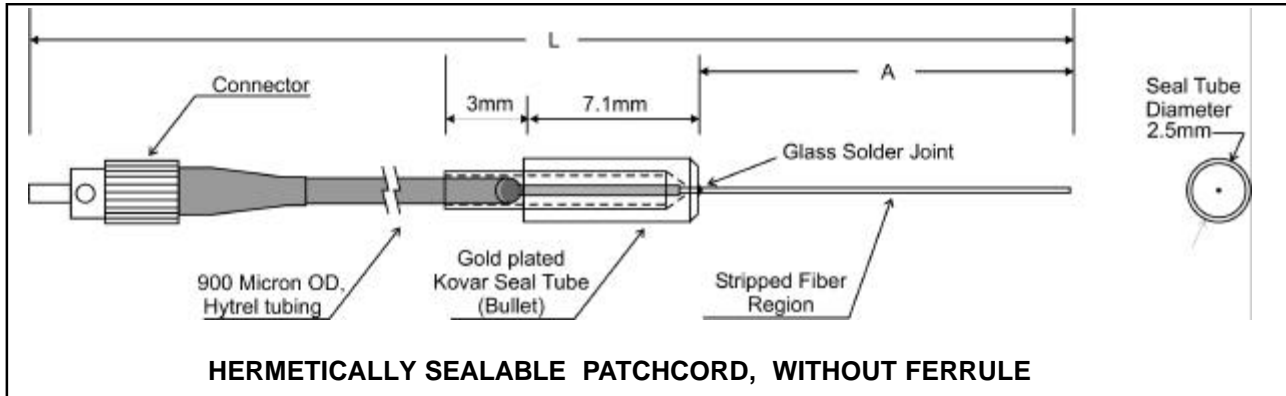
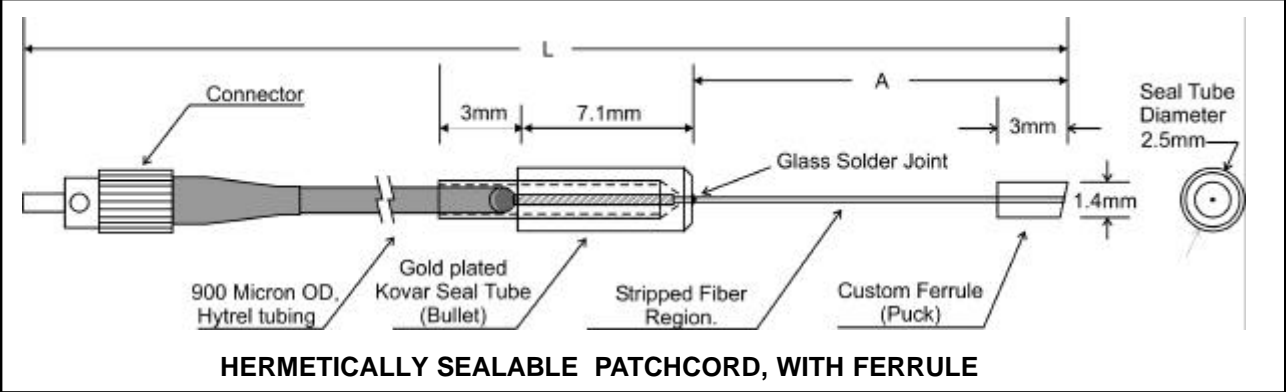
OZ Optics hermetically sealed patchcords are designed for today's stringent requirements for component packaging. Utilizing bare fiber without costly metalization, and a proprietary sealing process, these patchcords feature a rugged hermetic feedthrough that can be soldered into an opto-electronic package using standard tin/lead solders, to make a seal that meets today's hermeticity needs.

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, 10Gbs, 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. Contact OZ Optics for more information.

ORDERING INFORMATION



HGFMJ-X-W-a/b-JD-Y-A-L

- 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)

- Overall assembly length in meters
- Protruding Fiber Length in millimeters
- Ferrule type
C1.4 = Circular 1.4mm diameter
C2.5 = Circular 2.5mm diameter
R = Rectangular
X = No ferrule
- Fiber jacket type:
0.25 = 250 micron acrylate jacket
0.4 = 400 micron acrylate jacket
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