



FIBER OPTIC FERRULES

Features:

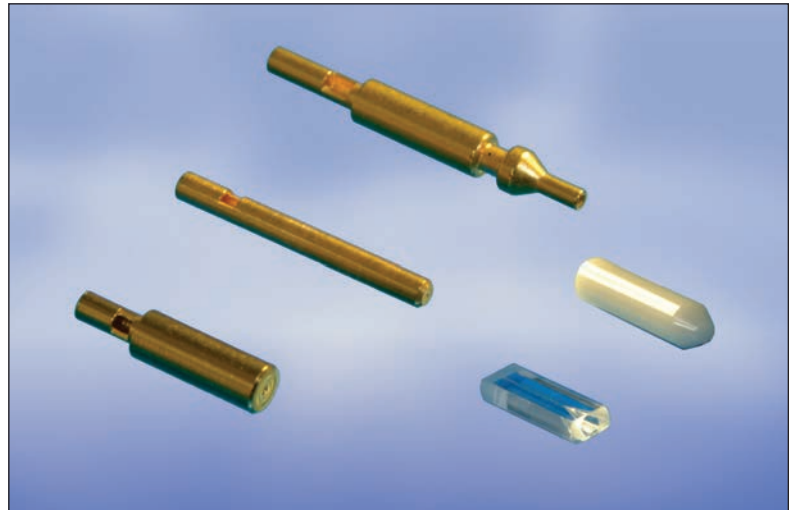
- Many different hole sizes for different fibers
- Wide variety of materials for different applications
- Low cost
- Wide range of stock parts

Applications:

- All types of fiber termination tasks
- Research and experimentation
- Prototyping

Product Description:

OZ Optics stocks a variety of ferrules to terminate your own fibers. These ferrules are available in a range of outer diameters, hole sizes, lengths and materials, making them usable for many different applications. The different materials are useful for different applications, such as the following:



Ferrules

- Zirconia – known for precise tolerances. Widely used for singlemode and PM fiber terminations.
- Stainless steel – low cost, useful for large core multimode fiber terminations.
- Borosilicate glass (Pyrex) – Transparent to UV light, can be used with UV cured epoxies.
- Kovar – expands and contracts at the same rate as glass. Useful when parts are subjected to large temperature swings.
- Beryllium copper – excellent thermal conductivity for high power applications.
- Nickel – good thermal conductivity and precise tolerances. Good for high power applications where alignment is critical.

These parts are available in too many different varieties to list in our data sheet. In addition many of these parts are subject to availability and may change without notice. For the latest part listings, prices and drawings, please consult our online catalog for a complete listing of our inventory.

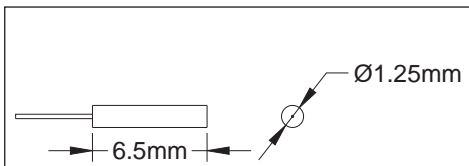


Figure 1: 1.25mm Ceramic Ferrule

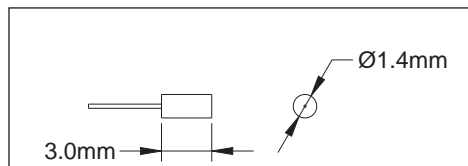


Figure 2: 1.4mm Ceramic Ferrule

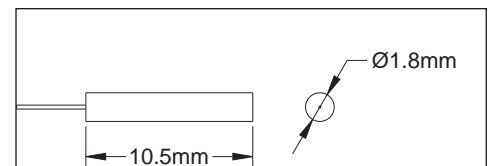


Figure 3: 1.8mm Ceramic Ferrule

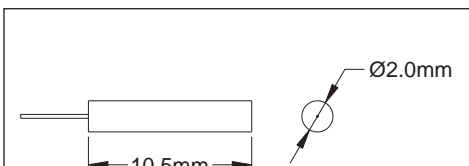


Figure 4: 2.0mm Ceramic Ferrule

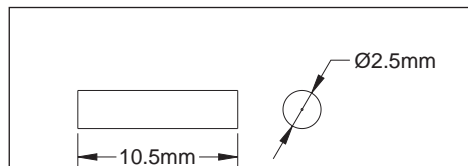


Figure 5: 2.5mm Ceramic Ferrule

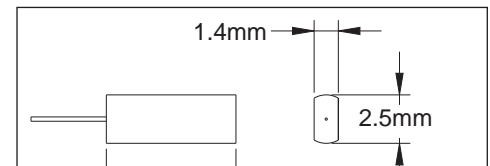


Figure 6: Rectangular Glass Ferrule

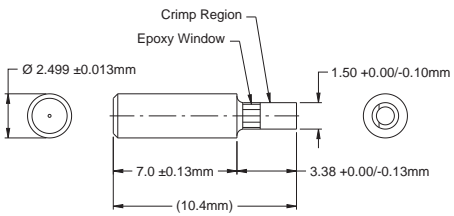


Figure 7: Standard 2.5mm OD Kovar Or Stainless Alloy Feedthrough

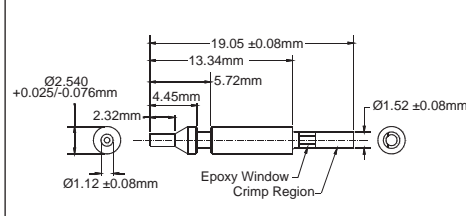


Figure 8: "Bullet Nose" 2.5mm OD Kovar Feedthrough

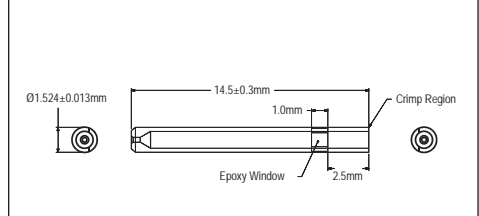


Figure 9: 1.53mm OD Kovar Feedthrough

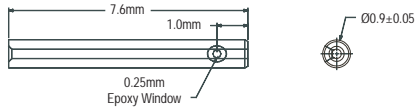


Figure 10: 0.9mm OD Kovar Feedthrough