

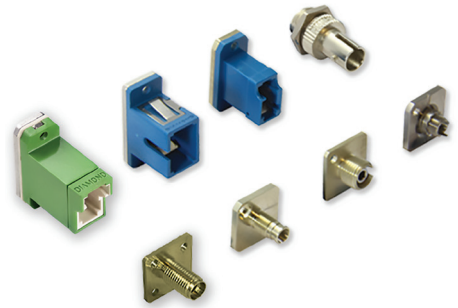
DIAMOND

Fiber Optic Components

IMOD

Interface module

0°/8°



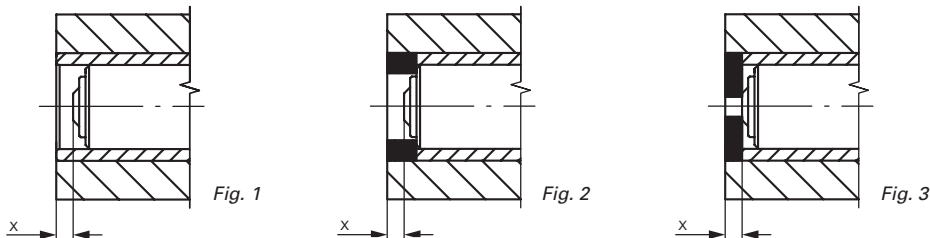
NETWORK ACCESSORIES

The Interface Module (IMOD) has been developed as a half adapter for free space applications of optical connectors. These modules are more commonly used for PC 0° connection, but APC 8° custom ferrules can be offered as well.

The main reason for using high quality IMOD adapters is to ensure precise and accurate alignment in both the axial and radial directions between each connector and adapter.

To obtain such performance, each component must be well designed and manufactured with proper materials, along with high precision components. The combination of very high precision concentric ferrules (through Diamond's Active Core Alignment A.C.A) and tight-tolerance sleeves, provide exceptional positioning repeatability.

IMOD's are available in three different configurations:



Note: "x" may vary upon connector type and configuration.

Fig. 1 Free space (without any stopper) for applications that don't require specific tolerances or exact ferrule axial positioning.

Fig. 2 With stopper against ceramic ferrule for a good axial repeatability.

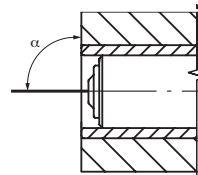
Fig. 3 With stopper against ferrule front-face for superior axial repeatability.

	CHANGING ONLY THE CONNECTOR	CHANGING BOTH IMOD AND CONNECTOR
Fig. 1	Depends on connector type (mechanical interface defined from the international standards) Typ. 0.3 mm	
Fig. 2	0.05 mm	0.15 mm
Fig. 3	0.01 mm	0.02 mm

Tighter tolerances available on custom design.

OPTICAL AXIS

The angle α is $90^\circ \pm 1,2^\circ$ for all types (available with greater accuracy upon request)



FEATURES

- ▶ Highly precise and repeatable ferrule positioning
- ▶ Custom materials and geometries upon request

AVAILABLE TYPES

- ▶ E-2000™, F-3000™, SC, LSA (DIN), FC, ST™, Mini-AVIM, F-SMA (other types available upon request)



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Specifications subject to change without notice

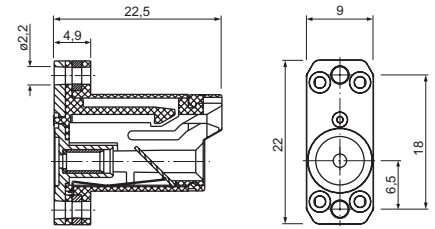
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TYPES AND DIMENSIONS

IMOD E-2000™

Available types: **IMOD E-2000™ 0°**
IMOD E-2000™ 8°

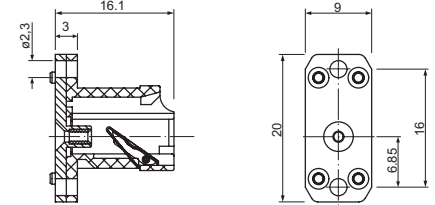
Note: also suitable for PS versions.



IMOD F-3000™

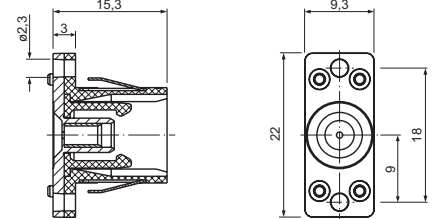
Available types: **IMOD F-3000™ 0°**

Note: also suitable for PS versions.



IMOD SC

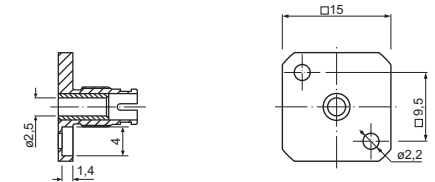
Available types: **IMOD SC 0°**



IMOD LSA (DIN)

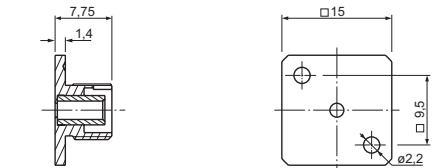
Available types: **IMOD LSA (DIN) 0°**

Note: three types available. Dimensions to be defined with the customer.



IMOD FC

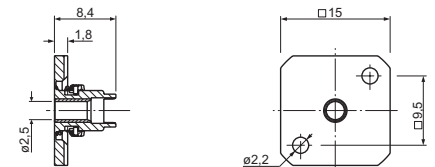
Available types: **IMOD FC 0°, key 2 or 2.2mm**
IMOD FC 8°, key 2mm



IMOD Mini-AVIM

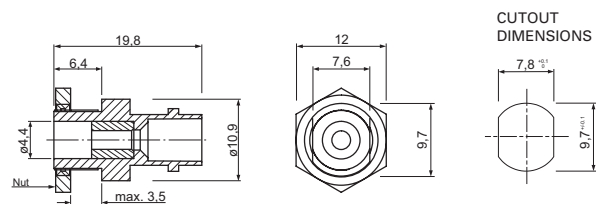
Available types: **IMOD Mini-AVIM 0°**
IMOD Mini-AVIM 8°

Note: also suitable for PS versions.



IMOD ST™

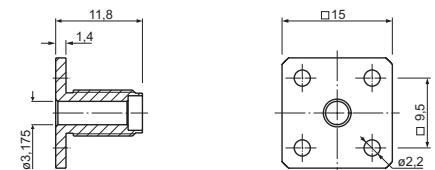
Available types: **IMOD ST™ 0°**



IMOD F-SMA

Available types: **IMOD F-SMA 0°**

Note: also suitable for PSi versions.



NOTE Diamond's standard body and frame colors are as follows: Blue for SM PC, green for SM APC, beige for MM and red for PS.

ORDER INFORMATION

Please refer to the part numbers provided in the separate P/N list.
For other configurations, please contact your nearest local Diamond representative or fill in the contact form available on the www.diamond-fo.com website.