2mm spot width wide spectrum fiber collimator 450nm-20um FC/APC

Product Description

It uses a 90° off-axis parabolic mirror, which maintains a constant focal length across a wide wavelength range. This makes it an optimal choice for collimating broadband wavelengths of light when the focus is accurately adjusted. The lens surface is coated with a silver film for the wavelength range from 450nm to 2000nm, enhancing the output efficiency. This collimator is available with optional FC/PC, FC/APC, or SMA connector

Product features

Surface coated with silver film (450nm-20μm), gold film (450nm-20μm), or aluminum film (250-450nm), offering high reflectivity 、 The reflective coating is protected with an additional layer, improving environmental adaptability 、 Reflective working mode with chromatic aberration correction across the entire reflective bandwidth spectrum、 Suitable for collimating multi-wavelength light or coupling light into optical fibers、 Non-magnetic stainless steel housing、 Standard interface design for easy installation and use

Part Number

MP-CLM-MIR-0.4-PA

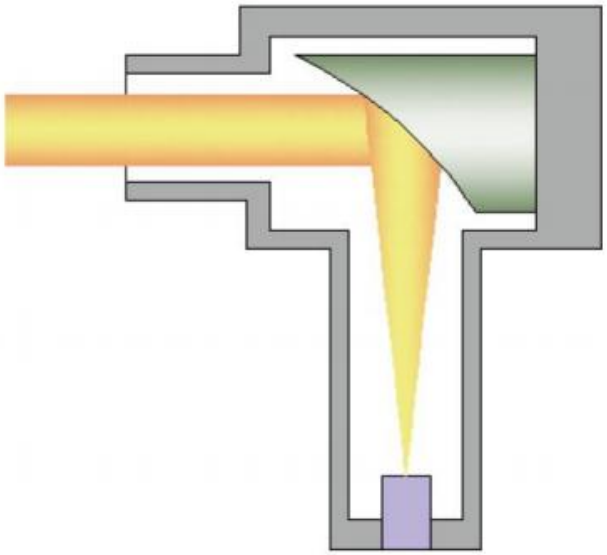
Application area

Spectral analysis、 Fluorescence analysis、 Gas remote sensing、 Water quality composition analysis、 Food safety、 Medical analytical instruments

Core parameters

Operating Wavelength	Numerical Aperture
450nm-20um	0.4

General Parameters



Technical Parameters

Operating Wavelength	450nm - 20um
Coating	Silver coating/Aluminum coating
Reflectance (average value)	⩾96%
Exit beam diameter	2mm、4mm、8.5mm、12mm (using fiber NA=0.13)
Numerical aperture	0.4、0.36、0.167、0.216
Clear aperture	Φ7.5mm、Φ11mm、Φ22mm
Connector type	FC/PC、FC/APC、SMA
Operating temperature	-10~70°C