

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-20 μ m), gold film (450nm-20 μ m), 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

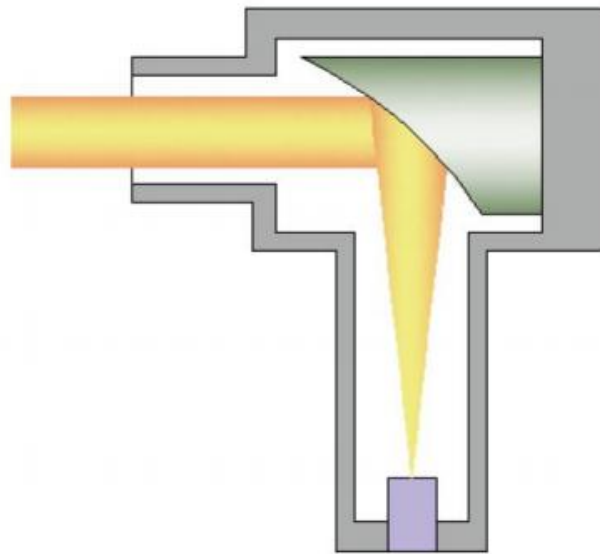
- **Application area**

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