

Cold Mirrors, Hot Mirrors

Features

- Transmit Visible or IR
- Reflect IR or Visible

Applications

- IR-Filters for CCD-Chips
- Sensors
- Projectors
- Detector Trimmers

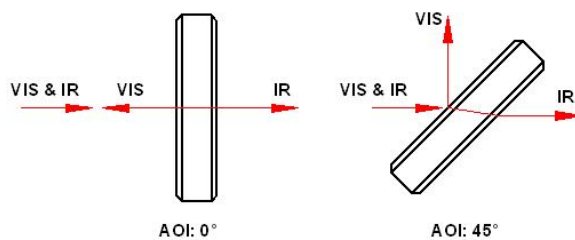
Specifications

Material	Borofloat
Dimension tolerance	±0.1mm
Parallelism	3 arcmin.
Surface quality	80-50 S/D
Surface flatness	4-5λ/per25mm
Clear aperture	>85%
Bevel	Protective bevel
Transmittance	Cold mirror: T<5%@400-700nm Hot mirror: T>75%@400-700nm
Reflectance	Cold mirror: R>85%@700-1100nm Hot mirror: R<5%@700-1100nm

Standard Products

Part No.	Mirror type	Size (mm)	Incidence angle	Wavelength
HHM0203	Hot mirror	Φ25×6.0	0°	700-1100nm
HHM0204	Hot mirror	5.0×7.0×2.0	0°	700-1100nm
HCM0203	Cold mirror	Φ25×6.0	45°	400-700nm
HCM0204	Cold mirror	5.0×7.0×2.0	45°	400-700nm

Cold Mirror: The visible spectrum is reflected while the infra red is transmitted



Hot Mirror: The infrared spectrum is reflected while the visible light is transmitted

