Ultra-Violet Cut Filters | NHOTM

RoHS

Dichroic filter transmit only visible light and reject ultraviolet and infrared light. Fitlers are perfect for applications that require high reflectance in the infrared spectrum and excellent transmission in the visible.

- Excellent optic for survival in high temperature and high humidity environments.

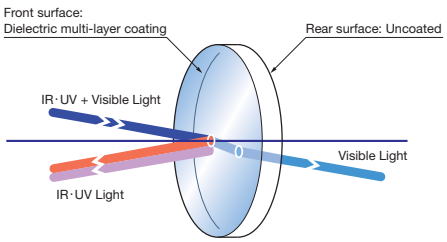
Specifications

Material	BK7
Surface flatness before Coating	3λ per ϕ25.4mm
Incident angle	0° – 15°
Coating	Dielectric multi-layer coating
Max temperature	300°C
Surface Quality (Scratch–Dig)	80–50

Attention

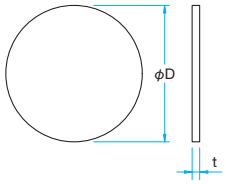
- Designed for incident angle of 0 to 15 degrees, use at more extreme angles will change wavelength characteristic of transmittance and reflectance and not provide desired ressult.
- The backside of the filter is not coated with AR and may result in a ghost image.

Schematic

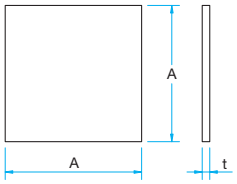


Outline Drawing (in mm)

●Circle



●Square



●Tolerance

Diameter	ϕD±0.5, A±0.5
Length	A±0.5
Thickness	t ±0.3

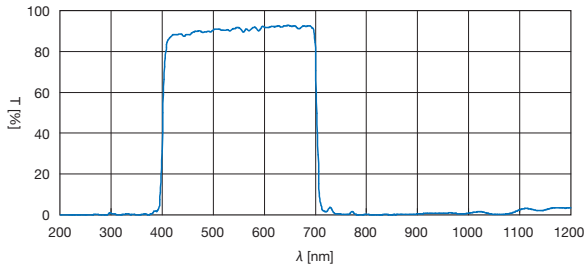
Circle

Part Number	Diameter ϕD [mm]	Thickness t [mm]	Transmittance (420 – 680nm) [%]	Transmittance (200 – 380nm) [%]	Transmittance (730 – 1500nm) [%]
NHOTM-25.4C3.3	ϕ25.4	3.3	>Average 85	<Average 1	<Average 5
NHOTM-50.8C3.3	ϕ50.8	3.3	>Average 85	<Average 1	<Average 5

Square

Part Number	Length A [mm]	Thickness t [mm]	Transmittance (420 – 680nm) [%]	Transmittance (200 – 380nm) [%]	Transmittance (730 – 1500nm) [%]
NHOTM-25.4S3.3	25.4	3.3	>Average 85	<Average 1	<Average 5
NHOTM-50.8S3.3	50.8	3.3	>Average 85	<Average 1	<Average 5

Typical Transmittance Data T: Transmission



Compatible Optic Mounts

FHS-25, -50