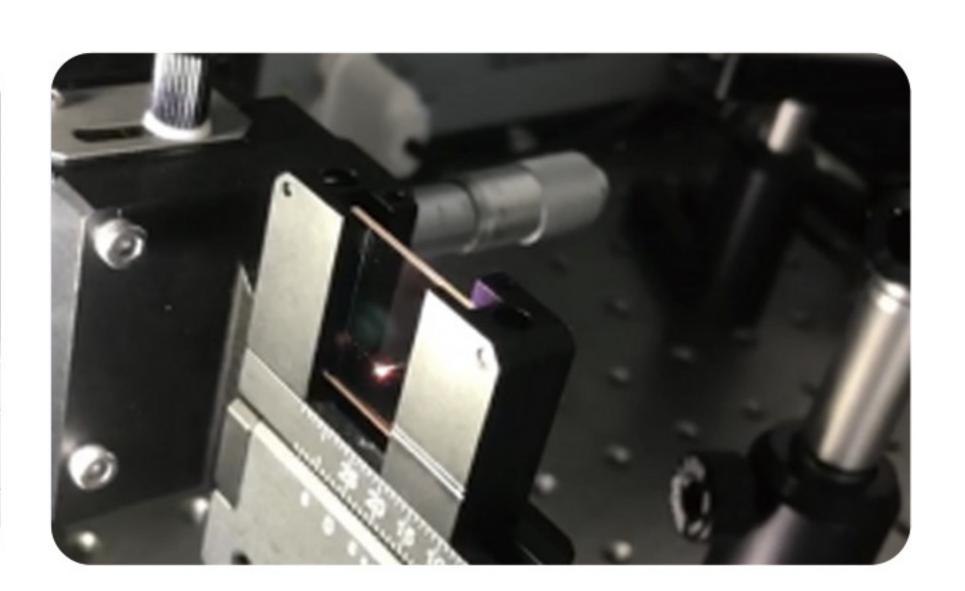
COATING TESTING CAPABILITIES

Instrument	Measurement items	Reference	Instrument	Measurement items	Reference
Spectrophotometer	1.Angle adjustable transmission spectrum measurement 2. Fixed angle reflection spectrum measurement;	ISO 9211-2	Cross-cut tester	Coating adhesion test	ISO 9211-4
Weak absorption tester	Weak absorption @532nm, 1064nm	ISO 11551	Constant temperature and humidity box	Coating reliability test	ISO 9022-2
LIDT test platform	355nm, 532nm, 1064nm pulsed laser damage threshold measurement	ISO 11254-2:2001	Climate chamber	Coating reliability test	ISO 9022-2
Coating hardness tester	Coating hardness test	ISO 15184	Friction resistance tester	Coating friction resistance test	ISO 9211-4
Water bath	Coating solubility test	ISO 9211-4	Temperature rise test platform	Temperature rise test	Simulate actual application conditions



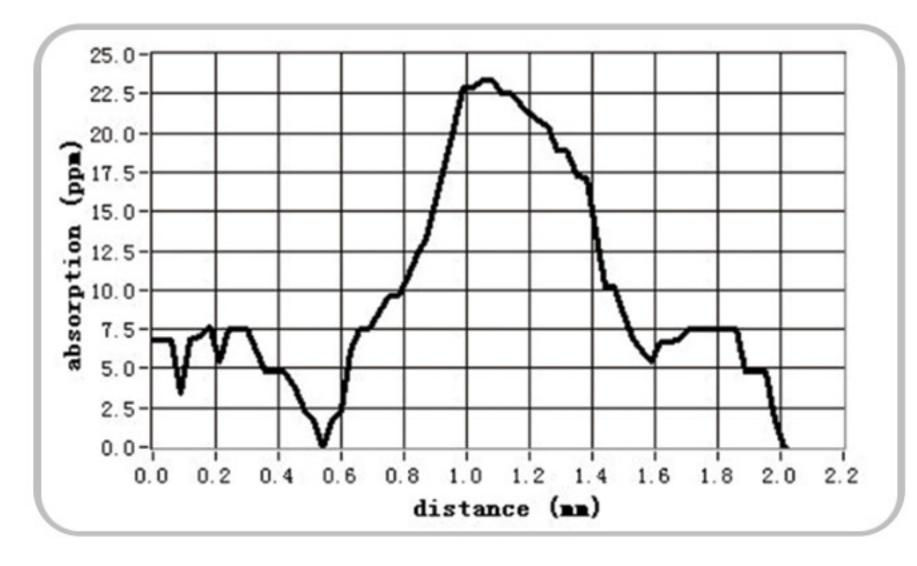


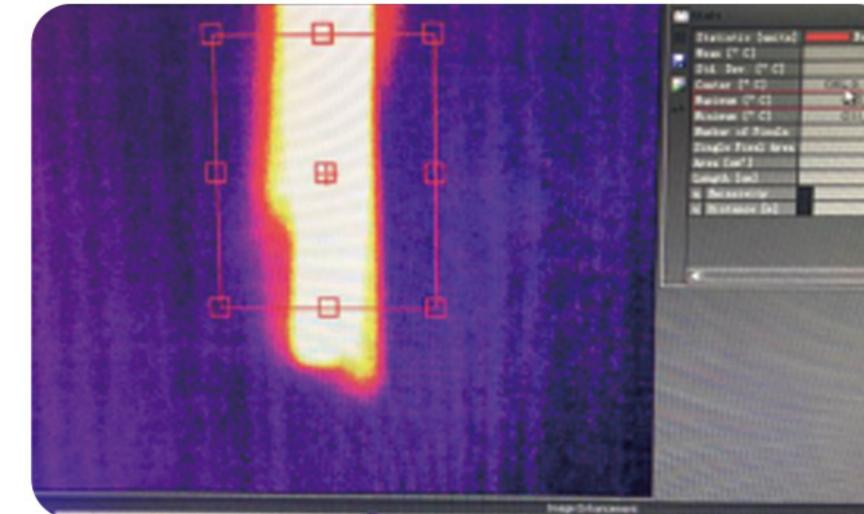


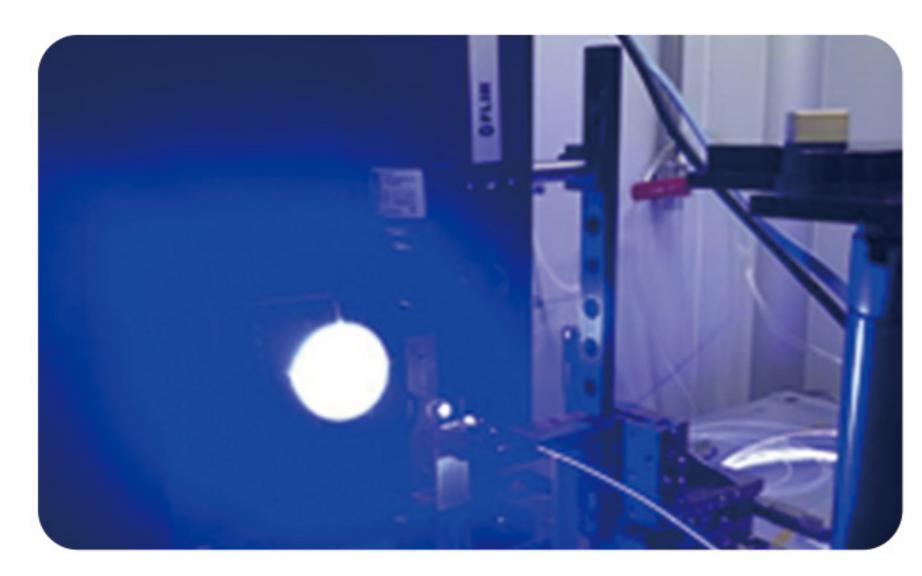
Agilent Cary 5000 spectrophotometer

LIDT tester

LIDT test







Weak absorption test

Temperature rise test

Focuslight Technologies Inc.

No.56 Zhangba 6th Road, High-Tech Zone, Xi'an, Shaanxi 710077, P.R. China

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OPTICAL COATING



ANTI-REFLECTION COATING

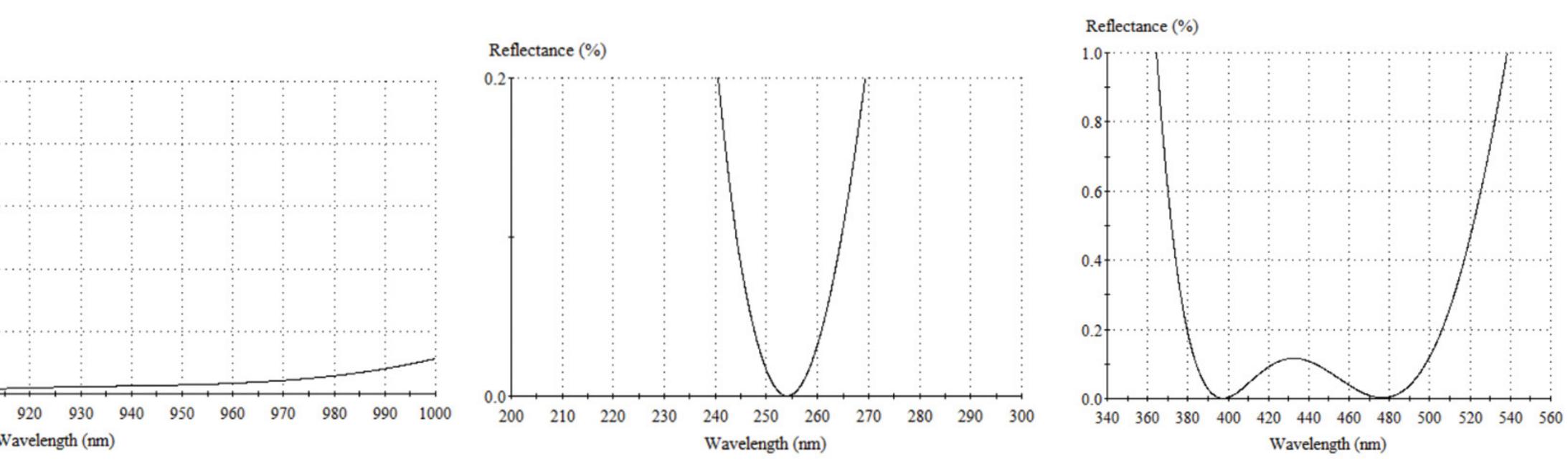
Coating category	Wavelength range(nm)	AOI (°)	Reflectance (%)
UV single wavelength AR coating	266	0-15°	R<0.2%
UV single wavelength AR coating	355	0-10°	R<0.2%
DUV AR coating	247-250	0-15°	R<0.2%
Broadband AR coating	380-480	0-30°	R<0.5%
Dual wavelength AR coating	355+532	0-15°	R<0.5%
Dual wavelength AR coating	532+1064	0°	R<0.2%
Broadband AR coating	770-1070	0-30°	R<0.5%
Broadband AR coating	1530-1570	0-20°	R<0.2%
Broadband AR coating	1700-2500	0-30°	R<0.5%

- High transmittance at target wavelength range
- Low reflection

Reflectance (%)

From DUV to Infrared band

- Low absorption at PPM level
- High damage threshold
- Customization



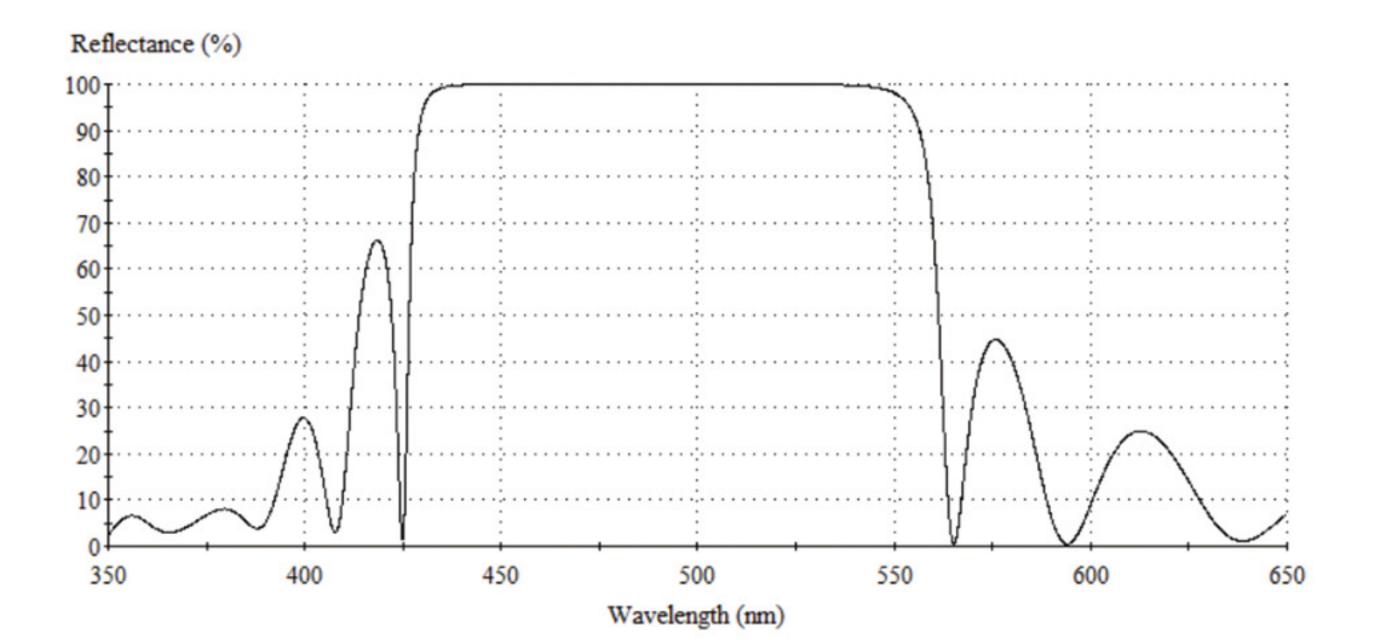
HIGH REFLECTION COATING

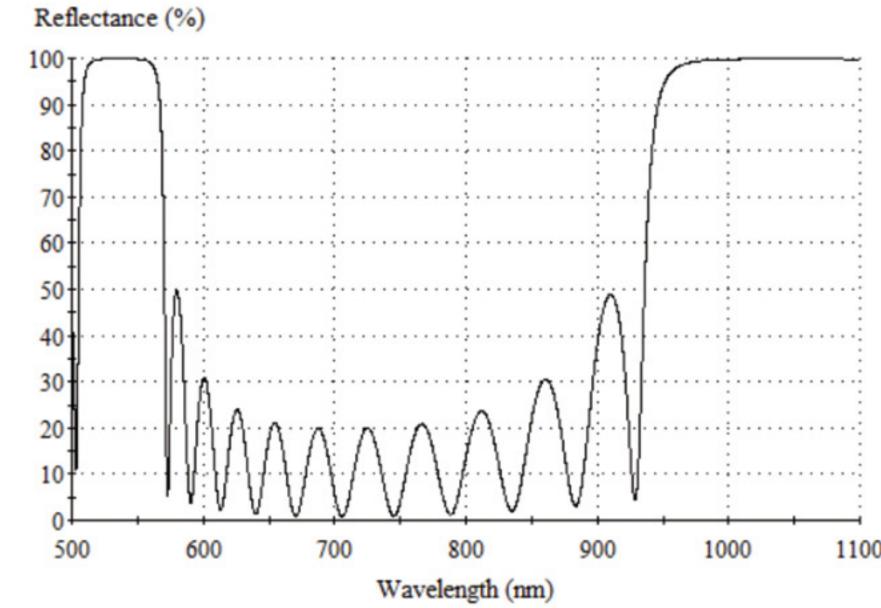
Coating category	Wavelength range (nm)	AOI (°)	Reflectance (%)
Single wavelength HR coating	355	45°	>99.5%
Single wavelength HR coating	266	45°	>99.5%
Dual wavelength HR coating	343/532	40°	>60%/99%
Dual wavelength HR coating	633/1064	45°	>80%/99.5%
Broadband HR coating	440-540	0°	>99.5%
Broadband HR coating	630-690	40°-50°	>99%
Broadband HR coating	1020-1085	43-47°	>99.8%
Broadband HR coating	1450-1550	44-46°	>99.5%

- High reflection at target wavelength range and incident angle
 High damage threshold

Customization

Metal and dielectric medium can be selected

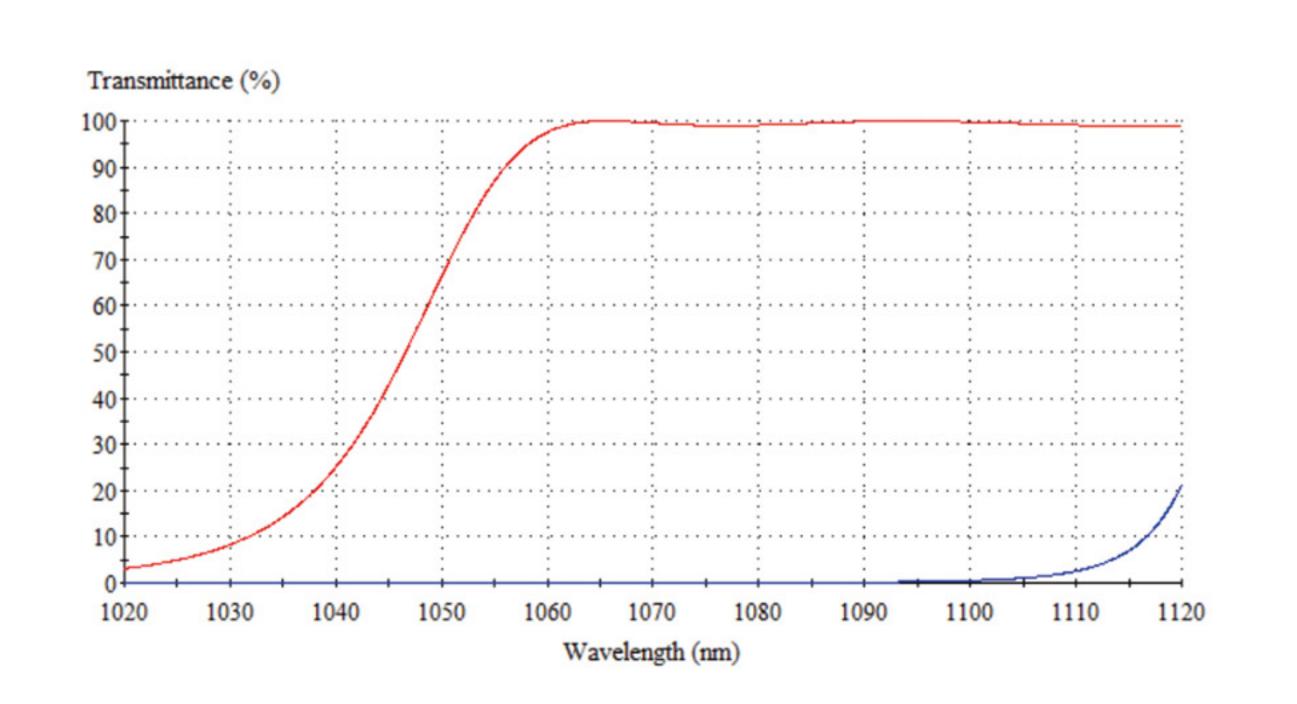




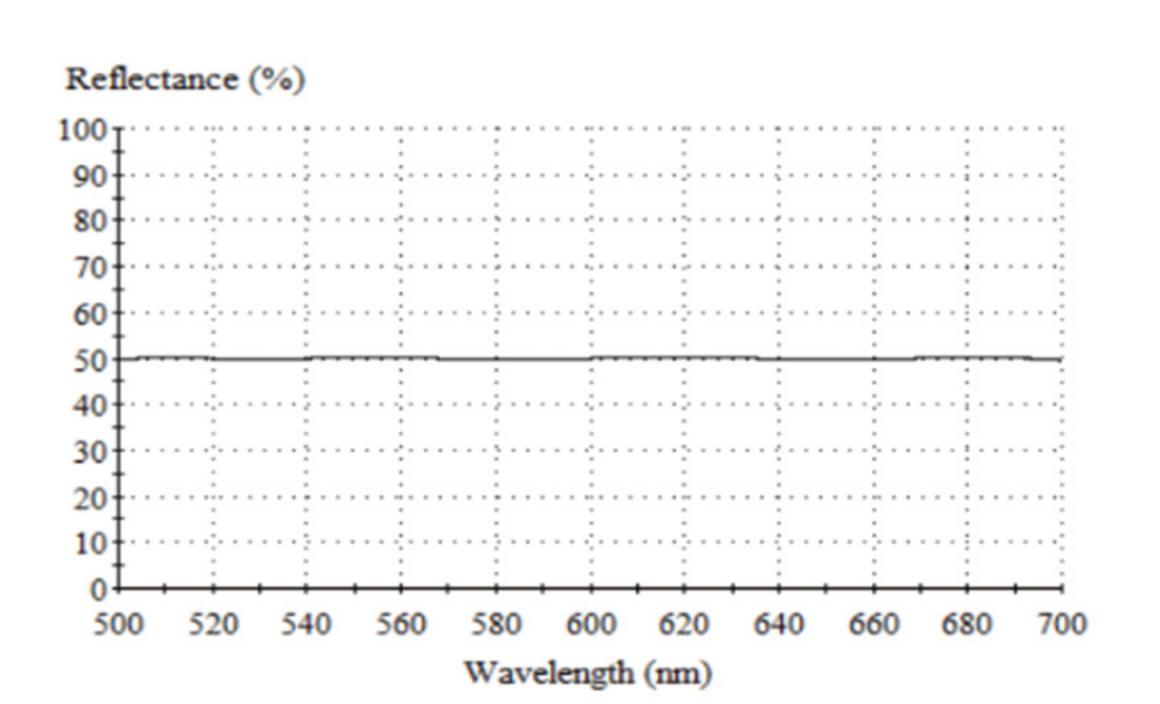
BEAM SPLITTER

Coating category	Wavelength range(nm)	AOI (°)	Technical specification
Metal-dielectric beam splitter	850±5	0°	T:R=1:1
Single beam splitter	1064	0°	T/R=40/60 T/R=50/50; T/R=30/70
Broadband beam splitter	500-700	0°	T/R=50/50
Flat polarization beam splitter	1064	56°	Tp>95%; Rs>99%; Tp/Ts>100:1
Prism polarization beam splitter	532	45°	Tp>98%; Rs>99.5%; Tp/Ts>1000:1
Flat depolarization beam splitter	532	45°	T/R=48:48; IRs-RpI<5%
Prism depolarization beam splitter	700-1000	45°	T/R=45:45; IRs-RpI<5%

- High spectral accuracy
- Metal and dielectric medium can be selected



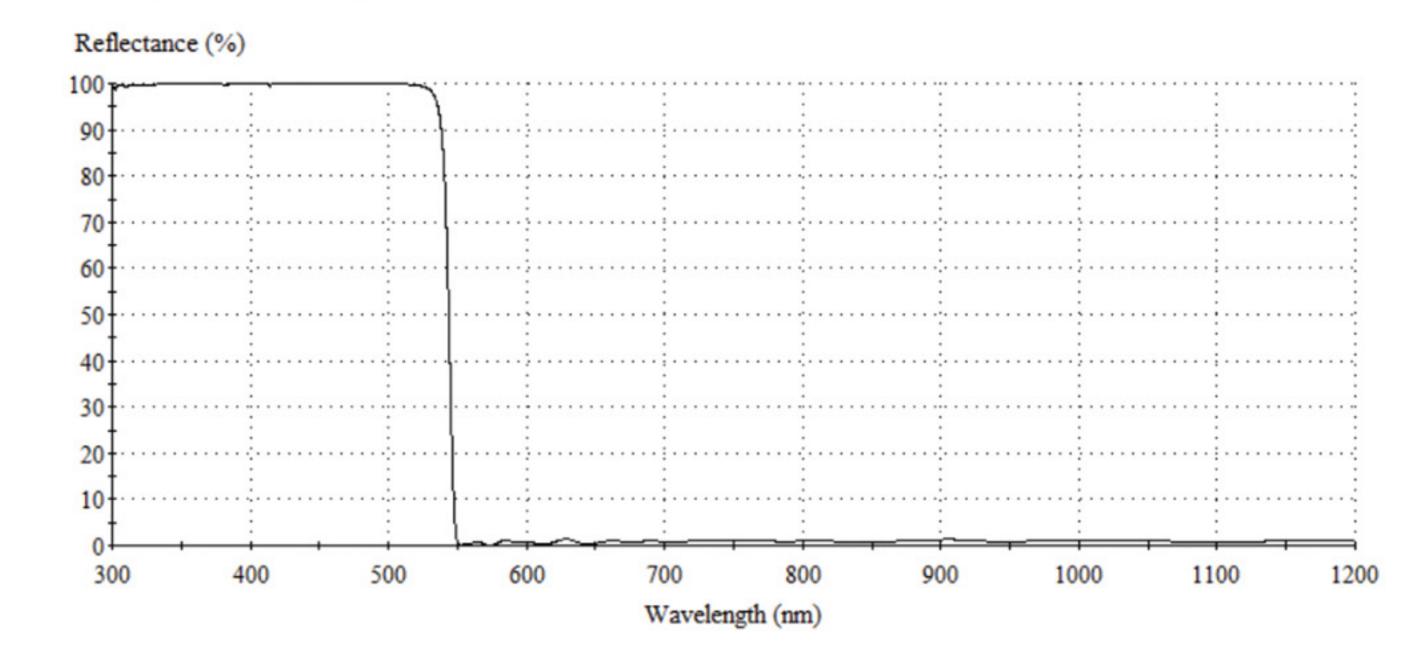
Customization



FILTER

Coating category	Technical specification		
Cut-off filter	Passband transmittance T>90% The cut-off range can be based on customer requirements Cut off depth OD3		
Band-pass filter	CWL: 488nm/905nm/1064nm/1545nm/1575nm FWHM:10nm-200nm Peak transmittance>75% Cut off depth OD3 The cut-off range can be based on customer requirements		

- High passband transmittance
- High OD degree



- WDM is available
- Customization

