Catalogue

2014

Free Sample Available upon Request for Stored Items

Free Call: 400-668-5778

URL: http://www.mega-9.com

Email: sales@mega-9.com

Address: NO.5, Lane 111, Shihui Road, Songjiang, Shanghai, 201613, China

Company Introduction

Mega-9, founded in 2006, specailzed in fabricating optical bandpass filters and beam splitter cubes, is an ISO9001:2008 approved company, especially she is honored as "State high and new enterprize" approved by state scientific and technological commission in 2012. With excellent fabricating facilities, including advanced coaters, ultrasonic cleaning line, high accuracy spectrophotometers,and super cleanrooms as well as over 20 years coating research and developing experience, Mega-9 has the capability to provide high quality bandpass filters, beamsplitter cubes and technical support as well as total solution providing.

For beam splitter cubes, they are formed by two right angle prisms cementing together with NOA 61 adhesive glue. All the input and output surfaces are coated with AR coatings. The available wavelength range for beamsplitter cube is from 400nm to 1600nm. Most Mega-9's optical filters and beam splitter cubes are exported to USA, Germany, UK, Israel, South Africa, Japan and France.

There are thousands of stocked filters or prism cubes for customers to select. Free sample is available upon request. Fast delivery, high quality and economical solution is your best choice.

1. Narrow Bandpass Filter

Mega-9's bandpass filters are thin film Fabry-Perot interferometer structure formed by ion assist E-beam evapoeration deposition techniques, generally with 3 to 6 cavities based on bandwidth and blocking level requirements. For most of machine vision application, the blocking level of the filters is OD3 average(T<0.1%) over 400 to 1100nm, however for most of fluorescence or enzyme label application, the blocking level is OD5 or OD6 over 200 to 1200nm. The position of center wavelength does not shift due to the proper ion assist process. Most of mega-9's filters do not use absorptive glass to assist the blocking, all the rejection bands are achieved by interference thin film multi-layer coatings. Although this technology increases the fabricating cost, the imaging quality is much improved compared with the aborptive glass in which there are many defects such as bubbles, striation and stress.The application fields of Mega-9's filters concern machine vision,security monitoring, face recognition, liscence plate recognition, photorejuvenation, large screen multi-touch panel, biochemical analysis, distance measurement,PCR fluorescence, enzyme label, astronaumy observation, laser interferometer, and other optical instruments.

The available center wavelength can be from 250nm to 1550nm at present, and the configuration of the filters can be cemented(for >=OD4 blocking level), or single glass sheet(for <=OD3 blocking level). Any special requirement can be customized upon request.

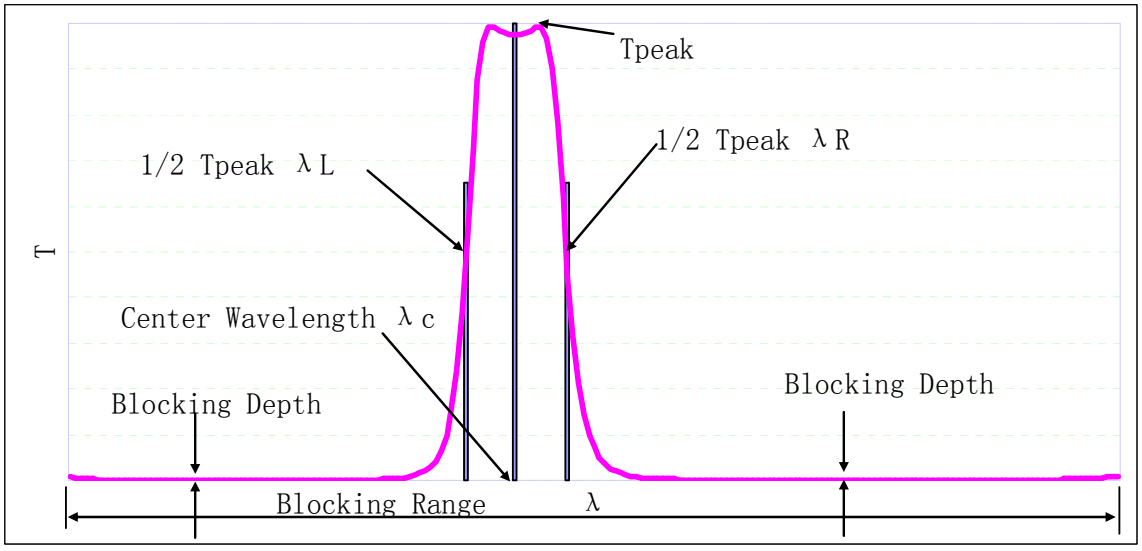


Fig1. Sepecifications indication for bandpass filter

Center Wavelength: $\lambda_c = \frac{\lambda_L + \lambda_R}{2}$

Bandwidth: $FWHM = \lambda_R - \lambda_L$

The blocking depth is often use OD value to describe.

$OD = -\log_{10}(T)$, for example, T=10%, that is T=0.1, OD=1

The following list is generally in stock for rapid response when our clients place small orders.

Part NO.	Center Wavelength(nm)	Bandwidth(nm)	Tpeak(%)	Blocking Range(nm)	Blocking Depth	Dimension(Mounted, 6mm thickness default)
BP254/10K	254±2	10±2	>13	200-2000	OD3	Φ12.7/Φ25.4
BP260/10K	260±2	10±2	>20	200-2000	OD3	Φ12.7/Φ25.4

BP266/10K	266±2	10±2	>20	200-2000	OD3	Φ12.7/Φ25.4
BP280/12K	280±2	12±2	>20	200-2000	OD3	Φ12.7/Φ25.4
BP302/12K	302±2	12±2	>20	200-2000	OD3	Φ12.7/Φ25.4
BP330/12K	330±2	12±2	>20	200-2000	OD3	Φ12.7/Φ25.4
BP340/10K	340±2	10±2	>50	200-1200	OD5	Φ12.7/Φ25.4
BP350/8K	350±2	08±2	>35	200-1200	OD2	Φ12.7/Φ25.4
BP352/10K	352±2	10±2	>45	200-1100	OD5	Φ12.7/Φ25.4
BP355/8K	355±2	8±2	>20	200-1200	OD3	Φ12.7/Φ25.4
BP355/10K	355±2	10±2	>50	200-1100	OD4	Φ12.7/Φ25.4
BP355/85K	355±10	85±10	>90	200-1000	OD3	Φ12.7/Φ25.4
BP358/13K	358±3	13±3	>55	200-1100	OD4	Φ12.7/Φ25.4
BP360/10K	360±2	10±2	>30	400-1100	OD4	Φ12.7/Φ25.4
BP360/12K	360±2	12±2	>35	200-1200	OD4	Φ12.7/Φ25.4
BP365/10K	365±2	10±2	>50	200-1100	OD4	Φ12.7/Φ25.4
BP365/40K	365±5	40±5	>60	200-1100	OD4	Φ12.7/Φ25.4
BP365/80K	365±8	80±8	>85	200-800	OD3	Φ12.7/Φ25.4
BP370/10K	370±2	10±2	>55	200-1100	OD3	Φ12.7/Φ25.4
BP375/10K	375±2	10±2	>55	200-1100	OD3	Φ12.7/Φ25.4
BP379/12K	379±2	12±2	>40	200-1100	OD3	Φ12.7/Φ25.4
BP387/10K	387±2	10±2	>60	200-1100	OD3	Φ12.7/Φ25.4
BP395/10K	395±2	10±2	>50	200-1100	OD3	Φ12.7/Φ25.4
BP400/10K	400±2	10±2	>55	200-1200	OD4	Φ12.7/Φ25.4
BP400/30K	400±5	30±5	>75	200-1100	OD4	Φ12.7/Φ25.4
BP405/10K	405±2	10±2	>55	200-1100	OD3	Φ12.7/Φ25.4
BP405/20K	405±3	20±3	>65	200-1200	OD4	Φ12.7/Φ25.4
BP410/8K	410±2	8±2	>52	400-1100	OD4	Φ12.7/Φ25.4
BP410/20K	410±3	20±3	>65	200-1200	OD4	Φ12.7/Φ25.4
BP410/25K	410±5	25±5	>90	200-1100	OD3	Φ12.7/Φ25.4
BP410/30K	410±5	30±5	>85	200-1100	OD3	Φ12.7/Φ25.4
BP412/10K	412±2	10±2	>56	200-1200	OD5	Φ12.7/Φ25.4
BP415/10K	415±2	10±2	>60	200-1200	OD4	Φ12.7/Φ25.4
BP415/20K	415±3	20±3	>60	200-1200	OD4	Φ12.7/Φ25.4
BP415/55K	415±8	55±8	>85	200-800	OD4	Φ12.7/Φ25.4
BP418/10K	418±2	10±2	>60	200-1200	OD4	Φ12.7/Φ25.4
BP420/10K	420±2	10±2	>50	200-1100	OD4	Φ12.7/Φ25.4
BP420/22K	420±5	22±5	>85	200-1100	OD3	Φ12.7/Φ25.4
BP425/10K	425±2	10±2	>65	200-1200	OD4	Φ12.7/Φ25.4
BP427/10K	427±2	10±2	>70	200-1200	OD5	Φ12.7/Φ25.4
BP435/10K	435±2	10±2	>55	200-1100	OD5	Φ12.7/Φ25.4
BP440/10K	440±2	10±2	>65	200-1200	OD4	Φ12.7/Φ25.4
BP441.6/10K	441.6±2	10±2	>50	200-1200	OD3	Φ12.7/Φ25.4
BP445/10K	445±2	10±2	>80	200-1200	OD4	Φ12.7/Φ25.4

BP447/10K	447±2	10±2	>50	200-1200	OD4	Φ12.7/Φ25.4
BP450/10K	450±2	10±2	>55	200-1200	OD4	Φ12.7/Φ25.4
BP450/50K	450±2	10±2	>60	200-1200	OD4	Φ12.7/Φ25.4
BP450/30K	450±5	30±5	>90	200-1100	OD3	Φ12.7/Φ25.4
BP450/50K	450±8	50±8	>88	400-800	OD3	Φ12.7/Φ25.4
BP450/100K	450±10	100±10	>75	200-1200	OD3	Φ12.7/Φ25.4
BP455/10K	455±2	10±2	>60	200-1200	OD4	Φ12.7/Φ25.4
BP456/10K	456±2	10±2	>75	200-1200	OD4	Φ12.7/Φ25.4
BP460/20K	460±3	20±3	>85	200-1200	OD3	Φ12.7/Φ25.4
BP465/13K	465±3	13±3	>50	400-1100	OD4	Φ12.7/Φ25.4
BP466/50K	466±8	50±8	>90	200-800	OD4	Φ12.7/Φ25.4
BP468/48K	468±8	48±8	>90	300-900	OD4	Φ12.7/Φ25.4
BP470/10K	470±2	10±2	>70	200-1100	OD5	Φ12.7/Φ25.4
BP470/20K	470±3	20±3	>65	200-1100	OD4	Φ12.7/Φ25.4
BP470/25K	470±5	25±5	>80	200-1100	OD3	Φ12.7/Φ25.4
BP470/30K	470±5	30±5	>85	200-700	OD5	Φ12.7/Φ25.4
BP470/35K	470±5	35±5	>90	200-1100	OD3	Φ12.7/Φ25.4
BP475/10K	475±2	10±2	>50	400-1100	OD4	Φ12.7/Φ25.4
BP475/15K	475±3	15±3	>60	200-1200	OD4	Φ12.7/Φ25.4
BP475/20K	475±3	20±3	>75	200-1200	OD5	Φ12.7/Φ25.4
BP475/30K	475±5	30±5	>90	200-1100	OD3	Φ12.7/Φ25.4
BP475/40K	475±5	40±5	>85	400-700	OD4	Φ12.7/Φ25.4
BP480/10K	480±2	10±2	>61	200-1100	OD5	Φ12.7/Φ25.4
BP485/18K	485±3	18±3	>90	400-1000	OD3	Φ12.7/Φ25.4
BP486.1/10K	486.1±2	10±2	>50	200-1100	OD5	Φ12.7/Φ25.4
BP488/10K	488±2	10±2	>70	200-1100	OD5	Φ12.7/Φ25.4
BP490/10K	490±2	10±2	>65	200-1200	OD4	Φ12.7/Φ25.4
BP492/10K	492±2	10±2	>65	200-1200	OD3	Φ12.7/Φ25.4
BP495/10K	495±2	10±2	>70	200-1200	OD4	Φ12.7/Φ25.4
BP495/20K	495±3	20±3	>70	200-1100	OD4	Φ12.7/Φ25.4
BP496/10K	496±2	10±2	>60	200-1200	OD3	Φ12.7/Φ25.4
BP498/10K	498±2	10±2	>60	200-1200	OD4	Φ12.7/Φ25.4
BP500/10K	500±2	10±2	>60	200-1200	OD5	Φ12.7/Φ25.4
BP500/30K	500±5	30±5	>90	200-1100	OD3	Φ12.7/Φ25.4
BP505/10K	505±2	10±2	>50	400-1100	OD4	Φ12.7/Φ25.4
BP505/16K	505±3	16±3	>64	200-1100	OD5	Φ12.7/Φ25.4
BP506/25K	506±5	35±5	>90	200-2000	OD2	Φ12.7/Φ25.4
BP506/35K	506±5	35±5	>90	200-2000	OD3	Φ12.7/Φ25.4
BP508/10K	508±2	10±2	>80	200-1100	OD3	Φ12.7/Φ25.4
BP508/15K	508±3	15±3	>60	200-1100	OD5	Φ12.7/Φ25.4
BP510/10K	510±2	10±2	>60	200-2000	OD5	Φ12.7/Φ25.4
BP510/15K	510±3	15±3	>60	200-1100	OD4	Φ12.7/Φ25.4

BP515/10K	515±2	10±2	>65	200-1200	OD4	Φ12.7/Φ25.4
BP515/50K	515±8	50±8	>88	200-1100	OD5	Φ12.7/Φ25.4
BP517/35K	517±5	35±5	>90	200-800	OD3	Φ12.7/Φ25.4
BP519/10K	519±2	10±2	>75	200-1200	OD4	Φ12.7/Φ25.4
BP520/15K	520±2	10±2	>70	200-1200	OD4	Φ12.7/Φ25.4
BP520/15K	520±2	10±2	>70	200-1200	OD4	Φ12.7/Φ25.4
BP520/10K	520±2	10±2	>60	200-2000	OD5	Φ12.7/Φ25.4
BP520/20K	520±3	20±3	>70	200-1100	OD4	Φ12.7/Φ25.4
BP520/30K	520±5	30±5	>70	400-1100	OD3	Φ12.7/Φ25.4
BP520/100K	520±10	100±10	>90	200-800	OD4	Φ12.7/Φ25.4
BP523/30K	523±5	30±5	>90	200-1200	OD4	Φ12.7/Φ25.4
BP525/6K	525±2	6±2	>85	300-900	OD5	Φ12.7/Φ25.4
BP525/10K	525±2	10±2	>60	200-1100	OD4	Φ12.7/Φ25.4
BP525/17K	525±3	17±3	>75	200-1100	ODT	Φ12.7/Φ25.4
BP525/20K	525±3	20±3	>85	200-2000	OD5	Φ12.7/Φ25.4
BP525/50K	525±8	50±8	>90	400-800	OD3	Φ12.7/Φ25.4
BP529/10K	529±2	10±2	>80	200-1100	OD4	Φ12.7/Φ25.4
BP530/10K	530±2	10±2	>70	200-1200	OD4	Φ12.7/Φ25.4
BP530/20K	530±3	20±3	>75	200-1200	OD4	Φ12.7/Φ25.4
BP530/60K	530±8	60±8	>85	400-800	OD3	Φ12.7/Φ25.4
BP532/8K	532±2	08±2	>80	200-1100	OD4	Φ12.7/Φ25.4
BP532/10K	532±2	10±2	>75	200-1100	OD4	Φ12.7/Φ25.4
BP532/20K	532±3	20±3	>75	200-1200	OD4	Φ12.7/Φ25.4
BP532/30K	532±5	30±5	>70	400-1100	OD3	Φ12.7/Φ25.4
BP532/40K	532±5	40±5	>80	400-1100	OD3	Φ12.7/Φ25.4
BP532/50K	532±8	50±8	>90	400-1100	OD3	Φ12.7/Φ25.4
BP535/8K	535±2	8±2	>50	400-1100	OD4	Φ12.7/Φ25.4
BP535/15K	535±3	15±3	>60	400-1100	OD4	Φ12.7/Φ25.4
BP535/20K	535±3	20±3	>55	200-1200	OD4	Φ12.7/Φ25.4
BP540/10K	540±2	10±2	>60	200-2000	OD5	Φ12.7/Φ25.4
BP542/10K	542±2	10±2	>54	200-1100	OD5	Φ12.7/Φ25.4
BP545/10K	545±2	10±2	>75	200-1200	OD5	Φ12.7/Φ25.4
BP546/10K	546±2	10±2	>75	200-1200	OD5	Φ12.7/Φ25.4
BP546/15K	546±3	15±3	>60	200-1100	OD4	Φ12.7/Φ25.4
BP547/10K	547±2	10±2	>60	200-1100	OD5	Φ12.7/Φ25.4
BP548/35K	548±5	35±5	>90	200-700	OD3	Φ12.7/Φ25.4
BP550/10K	550±2	10±2	>75	200-1200	OD4	Φ12.7/Φ25.4
BP550/40K	550±5	40±5	>75	200-1100	OD3	Φ12.7/Φ25.4
BP550/70K	550±8	70±8	>80	300-900	OD3	Φ12.7/Φ25.4
BP552/10K	552±2	10±2	>75	200-1200	OD5	Φ12.7/Φ25.4
BP555/15K	555±2	10±2	>65	200-1200	OD4	Φ12.7/Φ25.4
BP555/20K	555±3	20±3	>87	400-1100	OD3	Φ12.7/Φ25.4

BP555/45K	555±8	45±8	>80	200-1200	OD4	Φ12.7/Φ25.4
BP558/12K	558±2	12±2	>70	200-1100	OD5	Φ12.7/Φ25.4
BP558/80K	558±8	80±8	>90	400-1100	OD3	Φ12.7/Φ25.4
BP560/10K	560±2	10±2	>60	200-2000	OD5	Φ12.7/Φ25.4
BP560/20K	560±3	20±3	>80	400-1100	OD3	Φ12.7/Φ25.4
BP564/20K	564±3	20±3	>85	400-1100	OD3	Φ12.7/Φ25.4
BP565/9K	565±2	9±2	>50	400-1100	OD4	Φ12.7/Φ25.4
BP565/15K	565±3	15±3	>85	200-1100	OD3	Φ12.7/Φ25.4
BP565/25K	565±5	40±5	>80	400-1100	OD5	Φ12.7/Φ25.4
BP565/40K	565±5	40±5	>80	200-1200	OD5	Φ12.7/Φ25.4
BP570/10K	570±2	10±2	>60	200-2000	OD5	Φ12.7/Φ25.4
BP570/20K	570±3	20±3	>90	300-900	OD5	Φ12.7/Φ25.4
BP575/10K	575±2	10±2	>55	400-1100	OD5	Φ12.7/Φ25.4
BP575/15K	575±3	15±3	>50	400-1100	OD4	Φ12.7/Φ25.4
BP580/10K	580±2	10±2	>70	200-1200	OD4	Φ12.7/Φ25.4
BP585/10K	585±2	10±2	>60	400-1100	OD4	Φ12.7/Φ25.4
BP585/130K	585±10	130±10	>85	400-1100	OD3	Φ12.7/Φ25.4
BP590/10K	590±2	10±2	>60	200-1200	OD5	Φ12.7/Φ25.4
BP590/15K	590±3	15±3	>80	400-1100	OD5	Φ12.7/Φ25.4
BP590/20K	590±3	20±3	>70	400-800	OD3	Φ12.7/Φ25.4
BP595/10K	595±2	10±2	>65	200-1100	OD4	Φ12.7/Φ25.4
BP595/15K	595±3	15±3	>80	200-1200	OD4	Φ12.7/Φ25.4
BP590/100K	595±10	100±10	>90	200-1100	OD5	Φ12.7/Φ25.4
BP600/10K	600±2	10±2	>60	200-1100	OD3	Φ12.7/Φ25.4
BP600/15K	600±3	15±3	>85	200-1100	OD3	Φ12.7/Φ25.4
BP600/30K	600±5	30±5	>70	400-1100	OD3	Φ12.7/Φ25.4
BP600/100K	600±10	95±5	>90	400-800	OD5	Φ12.7/Φ25.4
BP605/20K	605±3	20±3	>90	400-1100	OD3	Φ12.7/Φ25.4
BP610/10K	610±2	10±2	>80	200-1200	OD4	Φ12.7/Φ25.4
BP610/20K	610±3	20±3	>80	400-1100	OD3	Φ12.7/Φ25.4
BP615/10K	615±2	10±2	>50	400-1100	OD4	Φ12.7/Φ25.4
BP615/20K	615±3	20±3	>90	200-2000	OD5	Φ12.7/Φ25.4
BP615/35K	615±5	35±5	>80	200-800	OD4	Φ12.7/Φ25.4
BP620/10K	620±2	10±2	>68	400-1100	OD5	Φ12.7/Φ25.4
BP620/30K	620±5	30±5	>95	200-800	OD5	Φ12.7/Φ25.4
BP622/15K	622±3	15±3	>75	200-1100	OD5	Φ12.7/Φ25.4
BP623/15K	623±3	15±3	>70	200-1100	OD5	Φ12.7/Φ25.4
BP625/10K	625±2	10±2	>70	200-800	OD5	Φ12.7/Φ25.4
BP625/15K	625±3	15±3	>69	200-1100	OD5	Φ12.7/Φ25.4
BP627/15K	627±3	15±3	>70	200-1100	OD5	Φ12.7/Φ25.4
BP630/8K	630±2	8±2	>50	200-1100	OD5	Φ12.7/Φ25.4
BP630/10K	630±2	10±2	>80	200-1100	OD4	Φ12.7/Φ25.4

BP630/15K	630±3	15±3	>70	200-1100	OD5	Φ12.7/Φ25.4
BP630/20K	630±3	20±3	>75	200-1200	OD4	Φ12.7/Φ25.4
BP630/50K	630±8	50±8	>75	200-1100	OD3	Φ12.7/Φ25.4
BP632/10K	632±2	10±2	>80	200-1200	OD5	Φ12.7/Φ25.4
BP632/15K	632±3	15±3	>75	200-1100	OD5	Φ12.7/Φ25.4
BP632/50K	632±8	50±8	>70	400-1100	OD3	Φ12.7/Φ25.4
BP635/10K	635±2	10±2	>65	200-1100	OD5	Φ12.7/Φ25.4
BP635/20K	635±3	20±3	>75	200-1200	OD4	Φ12.7/Φ25.4
BP635/44K	635±8	44±8	>98	400-1100	OD3	Φ12.7/Φ25.4
BP635/50K	635±8	50±8	>80	400-1100	OD3	Φ12.7/Φ25.4
BP640/20K	640±3	20±3	>80	400-1100	OD5	Φ12.7/Φ25.4
BP643/10K	643±2	10±2	>62	200-1100	OD5	Φ12.7/Φ25.4
BP645/10K	645±2	10±2	>65	200-1150	OD4	Φ12.7/Φ25.4
BP645/15K	645±3	15±3	>75	400-1100	OD4	Φ12.7/Φ25.4
BP645/35K	645±5	35±5	>85	400-800	OD3	Φ12.7/Φ25.4
BP645/40K	645±5	40±5	>02	200-1100	OD3	Φ12.7/Φ25.4
BP650/10K	650±2	10±2	>75	200-1100	OD4	Φ12.7/Φ25.4
BP650/15K	650±3	15±3	>60	400-1100	OD4	Φ12.7/Φ25.4
BP650/20K	650±3	20±3	>70	400-1100	OD3	Φ12.7/Φ25.4
BP650/30K	650±5	30±5	>70	200-1100	OD3	Φ12.7/Φ25.4
BP650/35K	650±5	35±5	>80	400-800	OD3	Φ12.7/Φ25.4
BP650/40K	650±5	40±5	>75	400-1100	OD3	Φ12.7/Φ25.4
BP650/160K	650±10	160±10	>18	400-1100	OD3	Φ12.7/Φ25.4
BP652/12K	652±2	12±2	>66	200-1100	OD4	Φ12.7/Φ25.4
BP653/20K	653±3	20±3	>80	200-1200	OD4	Φ12.7/Φ25.4
BP653/40K	653±5	40±5	>75	200-1100	OD4	Φ12.7/Φ25.4
BP655/10K	655±2	10±2	>70	200-1100	OD4	Φ12.7/Φ25.4
BP655/20K	655±3	20±3	>70	400-1100	OD5	Φ12.7/Φ25.4
BP655/40K	655±5	40±5	>90	300-950	OD3	Φ12.7/Φ25.4
BP656/15K	656±3	15±3	>88	400-1100	OD3	Φ12.7/Φ25.4
BP656/40K	656±5	40±5	>85	400-1100	OD3	Φ12.7/Φ25.4
BP656/100K	656±10	100±10	>85	200-1400	OD3	Φ12.7/Φ25.4
BP658/40K	658±5	40±5	>80	300-1200	OD4	Φ12.7/Φ25.4
BP658/60K	658±8	60±8	>90	400-1100	OD3	Φ12.7/Φ25.4
BP660/10K	660±2	10±2	>70	400-1100	OD3	Φ12.7/Φ25.4
BP660/10K	660±2	10±2	>70	200-1100	OD4	Φ12.7/Φ25.4
BP660/15K	660±2	12±2	>75	200-1200	OD4	Φ12.7/Φ25.4
BP660/20K	660±3	20±3	>88	200-1200	OD5	Φ12.7/Φ25.4
BP660/30K	660±5	30±5	>90	300-950	OD3	Φ12.7/Φ25.4
BP660/35K	660±5	35±5	>85	400-800	OD2	Φ12.7/Φ25.4
BP660/40K	660±5	40±5	>70	200-1100	OD4	Φ12.7/Φ25.4
BP663/10K	663±2	10±2	>70	200-1100	OD4	Φ12.7/Φ25.4

BP665/10K	665±2	10±2	>65	200-1200	OD5	Φ12.7/Φ25.4
BP665/10K	665±2	10±2	>65	200-1200	OD5	Φ12.7/Φ25.4
BP665/20K	665±3	20±3	>80	400-1100	OD3	Φ12.7/Φ25.4
BP666/140K	666±10	140±10	>90	350-700	OD1	Φ12.7/Φ25.4
BP668/20K	668±3	20±3	>80	200-1100	OD4	Φ12.7/Φ25.4
BP670/10K	670±2	10±2	>70	200-1200	OD4	Φ12.7/Φ25.4
BP670/15K	670±3	15±3	>65	200-1200	OD5	Φ12.7/Φ25.4
BP670/20K	670±3	20±3	>75	200-1100	OD3	Φ12.7/Φ25.4
BP670/38K	670±5	38±5	>85	400-800	OD3	Φ12.7/Φ25.4
BP670/40K	670±5	40±5	>70	200-1100	OD4	Φ12.7/Φ25.4
BP675/10K	675±2	10±2	>60	200-1100	OD4	Φ12.7/Φ25.4
BP675/15K	675±3	15±3	>60	200-1200	OD4	Φ12.7/Φ25.4
BP675/25K	675±5	25±5	>90	300-950	OD5	Φ12.7/Φ25.4
BP675/40K	675±5	40±5	>25	200-1200	OD4	Φ12.7/Φ25.4
BP680/10K	680±2	10±2	>75	200-1200	OD3	Φ12.7/Φ25.4
BP680/20K	680±3	20±3	>80	200-1100	OD3	Φ12.7/Φ25.4
BP680/25K	680±5	25±5	>80	300-900	OD5	Φ12.7/Φ25.4
BP680/30K	680±5	30±5	>76	400-1100	OD3	Φ12.7/Φ25.4
BP680/34K	680±5	34±5	>85	400-1100	OD3	Φ12.7/Φ25.4
BP680/40K	680±5	40±5	>80	200-1200	OD4	Φ12.7/Φ25.4
BP685/30K	685±5	30±5	>80	200-1200	OD4	Φ12.7/Φ25.4
BP685/40K	685±5	40±5	>90	400-1100	OD3	Φ12.7/Φ25.4
BP690/20K	690±3	20±3	>70	200-1200	OD5	Φ12.7/Φ25.4
BP690/40K	690±5	40±5	>90	400-1100	OD3	Φ12.7/Φ25.4
BP690/45K	690±8	45±8	>80	200-1200	OD4	Φ12.7/Φ25.4
BP695/20K	695±3	20±3	>70	400-1100	OD5	Φ12.7/Φ25.4
BP695/40K	695±5	40±5	>80	400-1100	OD3	Φ12.7/Φ25.4
BP697/20K	697±3	20±3	>80	200-1150	OD5	Φ12.7/Φ25.4
BP700/10K	700±2	10±2	>60	400-1100	OD4	Φ12.7/Φ25.4
BP700/17K	700±3	17±3	>50	200-1100	OD5	Φ12.7/Φ25.4
BP700/20K	700±3	20±3	>60	200-1100	OD4	Φ12.7/Φ25.4
BP700/25K	700±5	25±5	>95	200-1100	OD3	Φ12.7/Φ25.4
BP700/40K	700±5	40±5	>90	400-1100	OD3	Φ12.7/Φ25.4
BP707/12K	707±2	12±2	>64	200-1100	OD5	Φ12.7/Φ25.4
BP710/10K	710±2	10±2	>75	200-2000	OD5	Φ12.7/Φ25.4
BP710/20K	710±3	20±3	>60	200-1100	OD3	Φ12.7/Φ25.4
BP717.5/10K	717.5±2	10±2	>60	200-1200	OD5	Φ12.7/Φ25.4
BP720/12.4K	720±3	12.4±3	>70	400-1100	OD3	Φ12.7/Φ25.4
BP725/10K	725±3	13±3	>50	400-1100	OD4	Φ12.7/Φ25.4
BP730/10K	730±2	10±2	>70	400-1100	OD3	Φ12.7/Φ25.4
BP735/20K	735±3	20±3	>80	400-1100	OD3	Φ12.7/Φ25.4
BP740/12K	740±2	12±2	>50	400-1100	OD4	Φ12.7/Φ25.4

BP740/28K	740±5	28±5	>90	400-1100	OD3	Φ12.7/Φ25.4
BP740/290K	740±10	290±10	>90	400-1100	OD3	Φ12.7/Φ25.4
BP745/10K	745±2	10±2	>70	200-1200	OD4	Φ12.7/Φ25.4
BP745/20K	745±3	20±3	>65	200-1200	OD4	Φ12.7/Φ25.4
BP748/12K	748±2	12±2	>63	200-1100	OD5	Φ12.7/Φ25.4
BP748/20K	748±3	20±3	>65	200-1200	OD4	Φ12.7/Φ25.4
BP750/10K	750±2	10±2	>30	200-1200	OD4	Φ12.7/Φ25.4
BP750/340K	750±10	340±10	>90	300-900	OD3	Φ12.7/Φ25.4
BP760/12K	760±2	12±2	>50	400-1100	OD4	Φ12.7/Φ25.4
BP760/20K	760±3	20±3	>85	400-1100	OD3	Φ12.7/Φ25.4
BP760/50K	760±8	50±8	>80	400-1100	OD3	Φ12.7/Φ25.4
BP760/330K	760±10	330±10	>90	400-1100	OD3	Φ12.7/Φ25.4
BP765/50K	765±8	50±8	>80	400-800	OD3	Φ12.7/Φ25.4
BP766/10K	766±2	10±2	>80	200-1150	OD4	Φ12.7/Φ25.4
BP770/12K	770±2	12±2	>85	400-1100	OD5	Φ12.7/Φ25.4
BP780/10K	780±2	10±2	>65	200-1100	OD4	Φ12.7/Φ25.4
BP780/20K	780±3	20±3	>75	200-1200	OD3	Φ12.7/Φ25.4
BP785/10K	785±2	10±2	>80	200-1100	OD4	Φ12.7/Φ25.4
BP788/30K	788±5	30±5	>90	400-1100	OD3	Φ12.7/Φ25.4
BP790/15K	790±3	15±3	>64	200-1100	OD5	Φ12.7/Φ25.4
BP790/30K	790±5	30±5	>85	400-1100	OD3	Φ12.7/Φ25.4
BP795/10K	795±2	10±2	>70	200-1100	OD4	Φ12.7/Φ25.4
BP795/15K	795±3	15±3	>60	200-1100	OD4	Φ12.7/Φ25.4
BP795/20K	795±3	20±3	>75	200-1100	OD3	Φ12.7/Φ25.4
BP795/30K	795±5	30±5	>80	400-1100	OD3	Φ12.7/Φ25.4
BP798/20K	798±3	20±3	>75	200-1200	OD4	Φ12.7/Φ25.4
BP799/30K	799±5	30±5	>85	400-1100	OD3	Φ12.7/Φ25.4
BP800/10K	800±2	10±2	>75	200-1200	OD4	Φ12.7/Φ25.4
BP800/20K	800±3	20±3	>75	200-1200	OD3	Φ12.7/Φ25.4
BP800/25K	800±5	25±5	>90	200-1100	OD3	Φ12.7/Φ25.4
BP804/20K	804±3	20±3	>70	400-1100	OD3	Φ12.7/Φ25.4
BP804/30K	804±5	30±5	>90	400-1100	OD3	Φ12.7/Φ25.4
BP805/12K	805±2	12±2	>80	300-900	OD5	Φ12.7/Φ25.4
BP805/20K	805±3	20±3	>80	200-1100	OD3	Φ12.7/Φ25.4
BP805/30K	805±5	30±5	>75	400-1100	OD4	Φ12.7/Φ25.4
BP805/40K	805±5	40±5	>70	400-1100	OD3	Φ12.7/Φ25.4
BP808/10K	808±2	10±2	>65	200-1150	OD3	Φ12.7/Φ25.4
BP808/10K	808±2	12±2	>80	200-1100	OD3	Φ12.7/Φ25.4
BP808/15K	808±3	15±3	>90	400-1100	OD3	Φ12.7/Φ25.4
BP808/20K	808±3	20±3	>70	400-1100	OD3	Φ12.7/Φ25.4
BP808/30K	808±5	30±5	>90	400-1100	OD3	Φ12.7/Φ25.4
BP810/11	810±2	11±2	>68	400-1100	OD3	Φ12.7/Φ25.4

BP810/20K	810±3	20±3	>75	200-1200	OD5	Φ12.7/Φ25.4
BP810/30K	810±5	30±5	>85	200-1200	OD3	Φ12.7/Φ25.4
BP813/20K	813±3	20±3	>70	400-1100	OD3	Φ12.7/Φ25.4
BP813/30K	813±5	30±5	>80	400-1100	OD3	Φ12.7/Φ25.4
BP815/20K	815±3	20±3	>85	400-1100	OD3	Φ12.7/Φ25.4
BP815/30K	815±5	30±5	>85	200-1100	OD3	Φ12.7/Φ25.4
BP815/35K	815±5	35±5	>85	200-1200	OD4	Φ12.7/Φ25.4
BP820/20K	820±3	20±3	>40	400-1100	OD3	Φ12.7/Φ25.4
BP820/30K	820±5	30±5	>90	400-1100	OD3	Φ12.7/Φ25.4
BP820/200K	820±10	200±10	>90	400-1100	OD3	Φ12.7/Φ25.4
BP825/10K	825±2	10±2	>80	200-1400	OD4	Φ12.7/Φ25.4
BP825/20K	825±3	20±3	>85	400-1100	OD3	Φ12.7/Φ25.4
BP830/10K	830±2	10±2	>80	400-1100	OD3	Φ12.7/Φ25.4
BP830/20K	830±3	20±3	>80	400-1100	OD3	Φ12.7/Φ25.4
BP835/20K	835±3	20±3	>80	400-1100	OD3	Φ12.7/Φ25.4
BP840/20K	840±3	20±3	>80	200-1100	OD3	Φ12.7/Φ25.4
BP840/30K	840±5	30±5	>40	400-1000	OD3	Φ12.7/Φ25.4
BP840/50K	840±8	50±8	>90	400-1100	OD3	Φ12.7/Φ25.4
BP845/10K	845±2	10±2	>75	200-1400	OD4	Φ12.7/Φ25.4
BP845/20K	845±3	20±3	>75	400-1100	OD3	Φ12.7/Φ25.4
BP845/30K	845±5	30±5	>40	400-1000	OD3	Φ12.7/Φ25.4
BP850/10K	850±2	10±2	>65	200-1100	OD4	Φ12.7/Φ25.4
BP850/15K	850±3	15±3	>80	400-1100	OD3	Φ12.7/Φ25.4
BP850/20K	850±3	20±3	>80	400-1100	OD3	Φ12.7/Φ25.4
BP850/30K	850±5	30±5	>90	400-1100	OD3	Φ12.7/Φ25.4
BP850/50K	850±8	50±8	>90	400-1100	OD3	Φ12.7/Φ25.4
BP850/60K	850±8	60±8	>85	200-1100	OD3	Φ12.7/Φ25.4
BP855/10K	855±2	10±2	>70	200-1200	OD5	Φ12.7/Φ25.4
BP855/20K	855±3	20±3	>40	400-1100	OD3	Φ12.7/Φ25.4
BP855/30K	855±5	30±5	>85	400-1100	OD3	Φ12.7/Φ25.4
BP855/50K	855±8	50±8	>90	400-1100	OD3	Φ12.7/Φ25.4
BP860/20K	860±3	20±3	>86	400-1100	OD3	Φ12.7/Φ25.4
BP860/40K	860±5	40±5	>70	200-1100	OD4	Φ12.7/Φ25.4
BP860/50K	860±8	50±8	>80	400-1100	OD3	Φ12.7/Φ25.4
BP865/20K	865±3	20±3	>80	400-1100	OD3	Φ12.7/Φ25.4
BP865/25K	865±5	25±5	>68	200-1100	OD5	Φ12.7/Φ25.4
BP865/30K	865±5	30±5	>80	400-1100	OD3	Φ12.7/Φ25.4
BP870/20K	870±3	20±3	>70	400-1100	OD4	Φ12.7/Φ25.4
BP870/30K	870±5	30±5	>75	400-1100	OD3	Φ12.7/Φ25.4
BP870/40K	870±5	40±5	>85	200-1100	OD4	Φ12.7/Φ25.4
BP875/10K	875±2	10±2	>80	200-1400	OD4	Φ12.7/Φ25.4
BP875/40K	875±5	40±5	>80	400-1100	OD3	Φ12.7/Φ25.4

BP880/10K	880±2	10±2	>50	200-2000	OD4	Φ12.7/Φ25.4
BP880/40K	880±5	40±5	>75	200-1100	OD4	Φ12.7/Φ25.4
BP885/10K	885±2	10±2	>60	400-1100	OD4	Φ12.7/Φ25.4
BP885/15K	885±3	15±3	>50	400-1100	OD4	Φ12.7/Φ25.4
BP885/40K	885±5	40±5	>70	300-1200	OD3	Φ12.7/Φ25.4
BP890/20K	890±3	20±3	>85	400-1100	OD3	Φ12.7/Φ25.4
BP890/40K	890±5	40±5	>90	200-1100	OD4	Φ12.7/Φ25.4
BP895/15K	895±3	15±3	>85	700-1200	OD4	Φ12.7/Φ25.4
BP900/10K	900±2	10±2	>75	200-1200	OD3	Φ12.7/Φ25.4
BP900/20K	900±3	20±3	>75	200-1100	OD4	Φ12.7/Φ25.4
BP900/30K	900±5	30±5	>90	400-1100	OD3	Φ12.7/Φ25.4
BP905/20K	905±3	20±3	>80	400-1100	OD4	Φ12.7/Φ25.4
BP905/30K	905±5	30±5	>80	400-1100	OD3	Φ12.7/Φ25.4
BP910/20K	910±3	20±3	>85	200-2000	OD4	Φ12.7/Φ25.4
BP910/30K	910±5	30±5	>80	400-1100	OD3	Φ12.7/Φ25.4
BP915/20K	915±3	20±3	>95	400-1200	OD3	Φ12.7/Φ25.4
BP915/30K	915±5	30±5	>85	400-1100	OD3	Φ12.7/Φ25.4
BP920/10K	920±2	10±2	>70	200-1100	OD4	Φ12.7/Φ25.4
BP920/30K	920±5	30±5	>68	400-1200	OD3	Φ12.7/Φ25.4
BP920/80K	920±8	80±8	>90	400-1100	OD3	Φ12.7/Φ25.4
BP920/195K	920±10	195±10	>80	400-1200	OD3	Φ12.7/Φ25.4
BP925/10K	925±2	10±2	>66	200-1100	OD3	Φ12.7/Φ25.4
BP925/30K	925±5	30±5	>75	400-1100	OD3	Φ12.7/Φ25.4
BP930/10K	930±2	10±2	>75	200-1200	OD4	Φ12.7/Φ25.4
BP930/20K	930±3	20±3	>80	200-1100	OD5	Φ12.7/Φ25.4
BP930/30K	930±5	30±5	>90	200-1100	OD4	Φ12.7/Φ25.4
BP935/30K	935±5	30±5	>80	400-1100	OD3	Φ12.7/Φ25.4
BP940/12K	940±2	12±2	>75	200-1100	OD3	Φ12.7/Φ25.4
BP940/30K	940±5	30±5	>70	400-1100	OD3	Φ12.7/Φ25.4
BP940/50K	940±8	50±8	>90	400-1100	OD3	Φ12.7/Φ25.4
BP945/10K	945±2	10±2	>50	400-1100	OD4	Φ12.7/Φ25.4
BP945/20K	945±3	20±3	>61	200-1100	OD5	Φ12.7/Φ25.4
BP945/30K	945±5	30±5	>80	400-1100	OD3	Φ12.7/Φ25.4
BP950/10K	950±2	10±2	>55	200-1400	OD4	Φ12.7/Φ25.4
BP950/20K	950±3	20±3	>60	400-1100	OD4	Φ12.7/Φ25.4
BP950/30K	950±5	30±5	>65	400-1200	OD3	Φ12.7/Φ25.4
BP950/40K	950±5	40±5	>90	200-1100	OD4	Φ12.7/Φ25.4
BP950/50K	950±8	50±8	>75	400-1100	OD3	Φ12.7/Φ25.4
BP955/30K	955±5	30±5	>70	400-1100	OD3	Φ12.7/Φ25.4
BP955/40K	955±5	40±5	>90	200-1100	OD4	Φ12.7/Φ25.4
BP958/15K	958±3	15±3	>38	200-1100	OD5	Φ12.7/Φ25.4
BP960/30K	960±5	30±5	>80	400-1100	OD3	Φ12.7/Φ25.4

BP965/16K	965±3	16±3	>75	400-1100	OD3	Φ12.7/Φ25.4
BP965/30K	965±5	30±5	>80	400-1100	OD3	Φ12.7/Φ25.4
BP970/10K	970±2	10±2	>45	200-1400	OD4	Φ12.7/Φ25.4
BP970/20K	970±3	20±3	>75	200-1100	OD3	Φ12.7/Φ25.4
BP970/30K	970±5	30±5	>70	400-1200	OD3	Φ12.7/Φ25.4
BP970/80K	970±8	80±8	>90	200-1150	OD3	Φ12.7/Φ25.4
BP975/10K	975±2	10±2	>60	200-1100	OD4	Φ12.7/Φ25.4
BP975/30K	975±5	30±5	>80	400-1100	OD3	Φ12.7/Φ25.4
BP980/20K	980±3	20±3	>75	200-1150	OD3	Φ12.7/Φ25.4
BP980/30K	980±5	30±5	>75	400-1200	OD3	Φ12.7/Φ25.4
BP980/40K	980±5	40±5	>70	300-1200	OD3	Φ12.7/Φ25.4
BP985/40K	985±5	40±5	>80	200-1200	OD4	Φ12.7/Φ25.4
BP990/15K	990±3	15±3	>40	200-1100	OD3	Φ12.7/Φ25.4
BP990/30K	990±5	30±5	>70	400-1200	OD3	Φ12.7/Φ25.4
BP990/40K	990±5	40±5	>84	200-1100	OD4	Φ12.7/Φ25.4
BP994/25K	994±5	25±5	>71	200-1100	OD3	Φ12.7/Φ25.4
BP1000/10K	1000±2	10±2	>75	200-1400	OD4	Φ12.7/Φ25.4
BP1000/15K	1000±3	15±3	>40	200-1100	OD3	Φ12.7/Φ25.4
BP1005/20K	1005±3	20±3	>55	200-1100	OD3	Φ12.7/Φ25.4
BP1010/40K	1010±5	40±5	>55	200-1100	OD3	Φ12.7/Φ25.4
BP1015/20K	1015±3	20±3	>40	200-1100	OD3	Φ12.7/Φ25.4
BP1015/30K	1015±5	30±5	>75	200-1100	OD3	Φ12.7/Φ25.4
BP1015/40K	1015±5	40±5	>60	200-1100	OD3	Φ12.7/Φ25.4
BP1022/10K	1022±2	10±2	>80	200-1100	OD3	Φ12.7/Φ25.4
BP1025/10K	1025±2	10±2	>80	200-1400	OD4	Φ12.7/Φ25.4
BP1030/10K	1030±2	10±2	>75	200-1200	OD4	Φ12.7/Φ25.4
BP1040/10K	1040±2	10±2	>70	200-1200	OD5	Φ12.7/Φ25.4
BP1045/10K	1045±2	10±2	>75	200-1400	OD4	Φ12.7/Φ25.4
BP1050/10K	1050±2	10±2	>60	200-1100	OD4	Φ12.7/Φ25.4
BP1053/10K	1053±2	10±2	>80	200-1200	OD4	Φ12.7/Φ25.4
BP1054/17K	1054±3	17±3	>65	200-1200	OD4	Φ12.7/Φ25.4
BP1058/20K	1058±3	20±3	>40	400-1100	OD3	Φ12.7/Φ25.4
BP1060/15K	1060±3	15±3	>70	300-900	OD3	Φ12.7/Φ25.4
BP1064/10K	1064±2	10±2	>80	200-1200	OD4	Φ12.7/Φ25.4
BP1064/17K	1064±3	17±3	>65	200-1200	OD3	Φ12.7/Φ25.4
BP1064/20K	1064±3	20±3	>70	200-1200	OD3	Φ12.7/Φ25.4
BP1070/10K	1070±2	10±2	>75	400-1200	OD3	Φ12.7/Φ25.4
BP1070/20K	1070±3	20±3	>40	200-1100	OD3	Φ12.7/Φ25.4
BP1075/10K	1075±2	10±2	>60	200-1100	OD4	Φ12.7/Φ25.4
BP1080/20K	1080±3	20±3	>45	200-1100	OD3	Φ12.7/Φ25.4
BP1085/20K	1085±3	20±3	>42	200-1100	OD3	Φ12.7/Φ25.4
BP1090/15K	1090±3	15±3	>45	200-1100	OD3	Φ12.7/Φ25.4

BP1090/20K	1090±3	20±3	>45	200-1100	OD3	Φ12.7/Φ25.4
BP1275/70K	1275±8	70±8	>90	200-2000	OD2	Φ12.7/Φ25.4
BP1475/70K	1475±8	70±8	>90	200-2000	OD2	Φ12.7/Φ25.4
BP1520/75K	1520±8	75±8	>70	200-2000	OD3	Φ12.7/Φ25.4
BP1535/70K	1535±8	70±8	>90	200-2000	OD2	Φ12.7/Φ25.4
BP1540/60K	1540±8	60±8	>90	200-2000	OD3	Φ12.7/Φ25.4
BP1540/75K	1540±8	75±8	>70	200-2000	OD3	Φ12.7/Φ25.4
BP1545/80K	1545±8	80±8	>90	200-2000	OD2	Φ12.7/Φ25.4
BP1550/60K	1550±8	60±8	>90	200-2000	OD3	Φ12.7/Φ25.4

2. Long Pass Filter

Fig2. shows the long pass filter specifications.

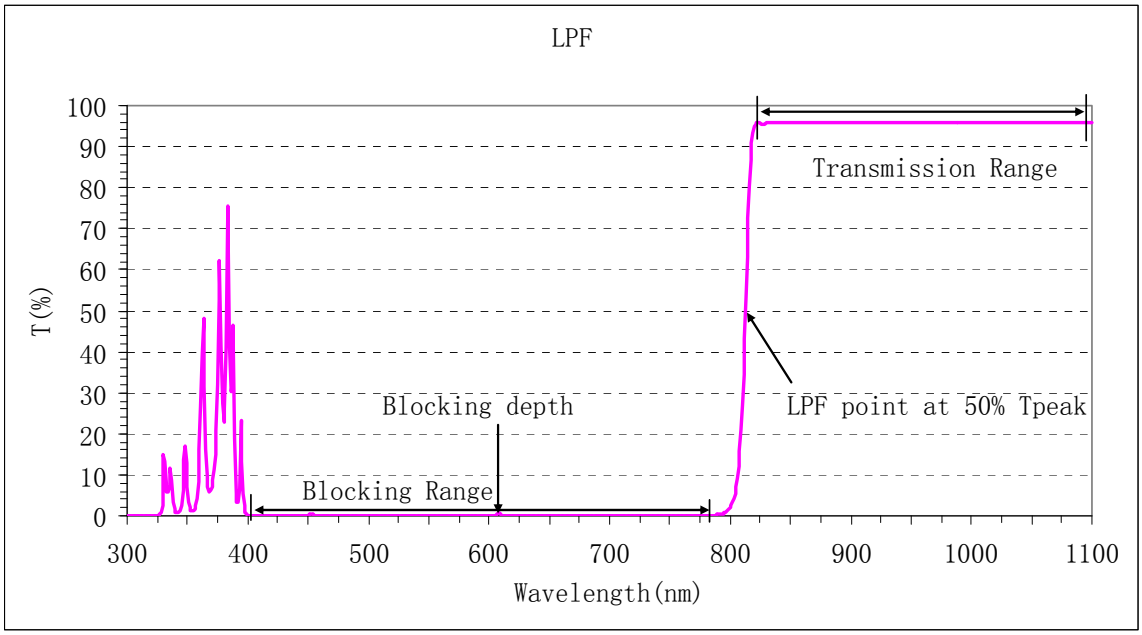


Fig2. Long pass filter specification indication

Part NO.	Blocking Range(nm)	Blocking Depth	Transmission Range(nm)	Transmittance in Passband
LPF400	200-375	>OD2	420-1200	>85% average
LPF425	200-405	>OD2	445-1200	>85% average
LPF450	200-430	>OD2	470-1200	>85% average
LPF475	200-455	>OD2	495-1200	>85% average
LPF500	200-480	>OD2	520-1200	>85% average
LPF525	200-505	>OD2	545-1200	>85% average
LPF550	200-530	>OD2	575-1200	>85% average
LPF575	200-550	>OD2	600-1200	>85% average
LPF600	200-570	>OD2	625-1200	>85% average
LPF625	200-595	>OD2	650-1200	>85% average
LPF650	200-620	>OD2	675-1200	>85% average
LPF675	200-645	>OD2	700-1200	>85% average
LPF700	200-670	>OD2	725-1200	>85% average

LPF725	200-695	>OD2	750-1200	>85% average
LPF750	200-720	>OD2	775-1200	>85% average
LPF775	200-745	>OD2	800-1200	>85% average
LPF800	400-770	>OD2	825-1200	>85% average
LPF825	400-795	>OD2	850-1200	>85% average
LPF850	400-820	>OD2	875-1200	>85% average
LPF875	400-845	>OD2	900-1200	>85% average
LPF900	400-870	>OD2	930-1200	>85% average
LPF925	400-895	>OD2	955-1200	>85% average
LPF950	400-910	>OD2	980-1200	>85% average
LPF975	400-935	>OD2	1010-1800	>85% average
LPF1000	400-960	>OD2	1040-1800	>85% average
LPF1025	400-985	>OD2	1070-1800	>85% average
LPF1050	400-1010	>OD2	1100-1800	>85% average
LPF1075	400-1035	>OD2	1130-1800	>85% average
LPF1100	400-1060	>OD2	1160-1800	>85% average

3. Short pass filter

Fig3. shows the specifications of short pass filter.

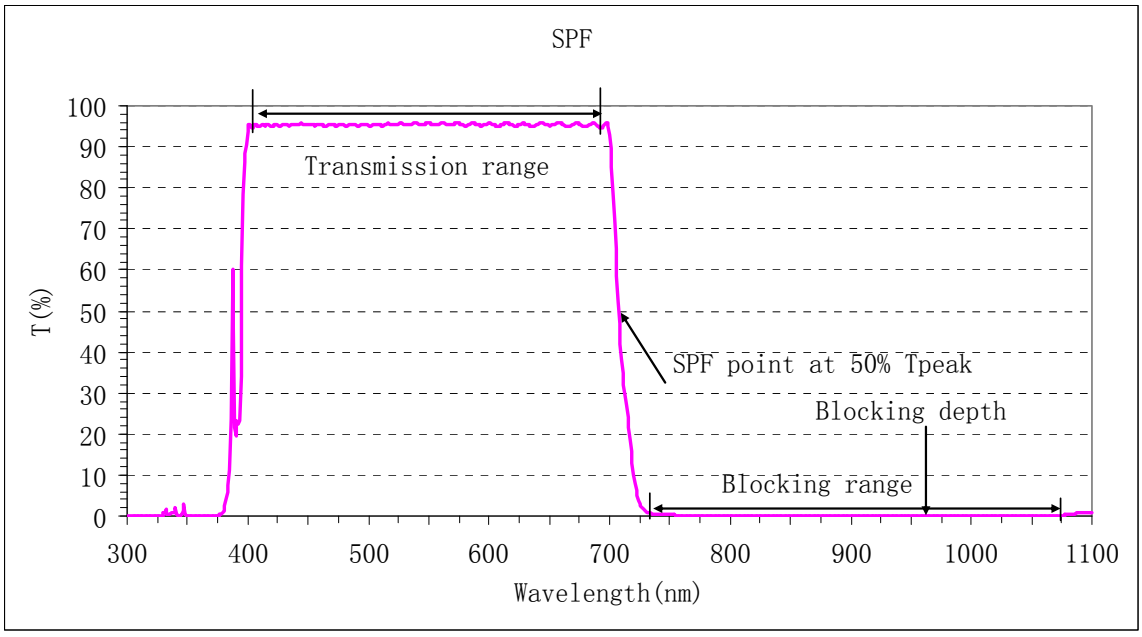


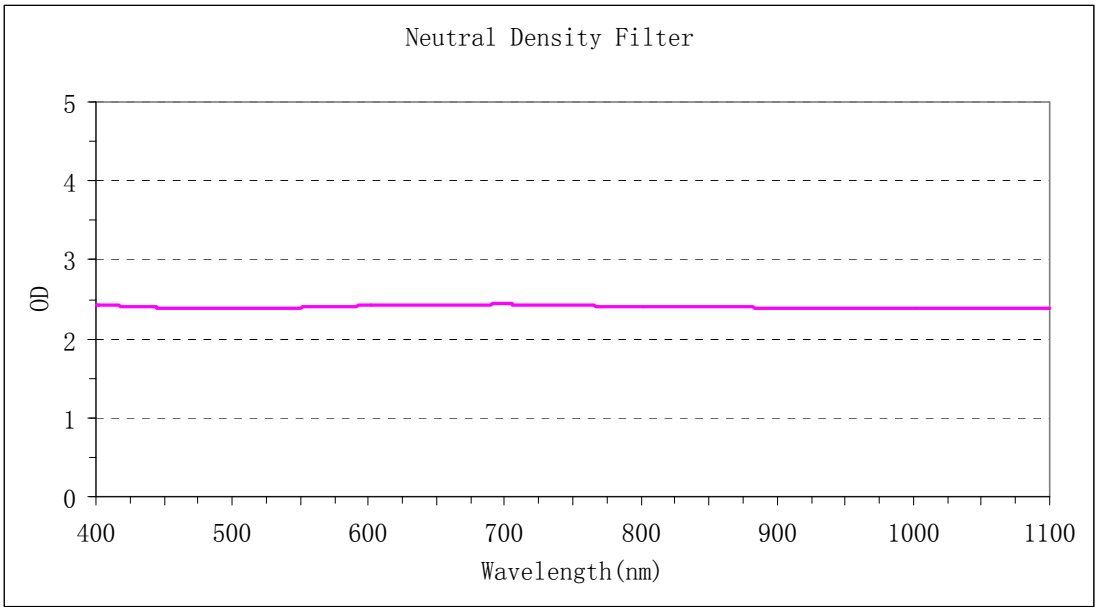
Fig3. Short pass filter specification indication

Part NO.	Transmission Range(nm)	Transmittance in Passband	Blocking Range(nm)	Blocking Depth
SPF380	320-370	>60% average	420-1100	>OD2 average
SPF550	420-520	>85% average	550-1100	>OD2 average
SPF600	420-570	>85% average	630-1100	>OD2 average
SPF650	420-630	>85% average	680-1100	>OD2 average
SPF700	420-680	>85% average	730-1100	>OD2 average
SPF750	420-720	>85% average	780-1100	>OD2 average

SPF800	420-770	>85% average	830-1100	>OD2 average
SPF850	420-820	>85% average	880-1100	>OD2 average
SPF900	420-870	>85% average	930-1100	>OD2 average
SPF950	420-920	>85% average	980-1100	>OD2 average
SPF1000	420-970	>85% average	1040-1200	>OD2 average

4. Neutral Density Filter

Mega-9 now only make fixed OD value neutral density filters. The OD value can vary from 0.1 to 4. The OD value is controlled by coating inconil thin film thickness. Regular thickness of the NDFs is 1.1mm.



Part NO.	Wavelength Range(nm)	Optical Density(OD) at 550nm
ND01	400－1100	0.1
ND02	400－1100	0.2
ND03	400－1100	0.3
ND04	400－1100	0.4
ND05	400－1100	0.5
ND06	400－1100	0.6
ND07	400－1100	0.7
ND08	400－1100	0.8
ND09	400－1100	0.9
ND10	400－1100	1
ND20	400－1100	2
ND30	400－1100	3
ND40	400－1100	4

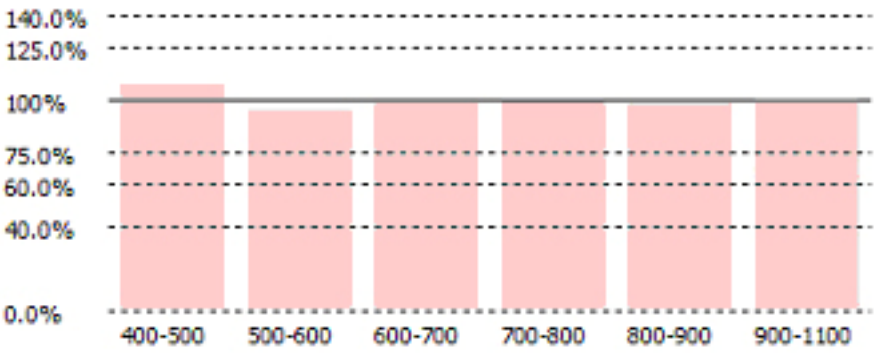
5. High Temperature Optical Filters

There are two grades temperature range for the HTOF, one is below 400 centigrade, and the other is 600 centigrade. All the high temperature filters need to be customized, we do not prepare the stored items.

6. Solar Simulation Filter

The design of solar simulation filter is only for AM1.5 standards. Since the final result of the solar

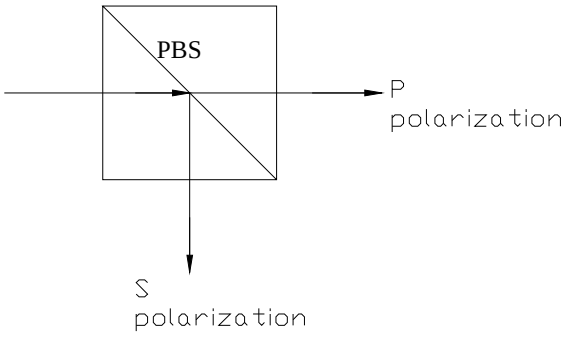
simulator depends on both the performance of filter and structure of the optical system. All the solar simulation filter need to be developed by the effort of Mega-9 and clients. The following result shows one of our client who co-work with us and get a good solar simulation in their system.



Irradiance: 705.92 (W/m2, 400.0nm-1100.0nm)

Wavelength(nm)	400-500	500-600	600-700	700-800	800-900	900-1100
Ratio(%)	107.4	95.1	100.9	98.6	97.8	99.6
Match	A	A	A	A	A	A

7. Broadband Polarising Beamsplitter Cubes



Substrate Material：H-ZF3

Regular Dimension：5x5x5, 10x10x10, 12.7x12.7x12.7, 20x20x20, 25.4x25.4x25.4mm

Dimension Tolerance：±0.2mm

Regular Wavelength Bands：420nm-680nm, 620nm-1000nm, 900nm-1300nm, 1200nm-1600nm

Optical Performance：

Input/Output Surfaces：0° AOI，R<0.5%

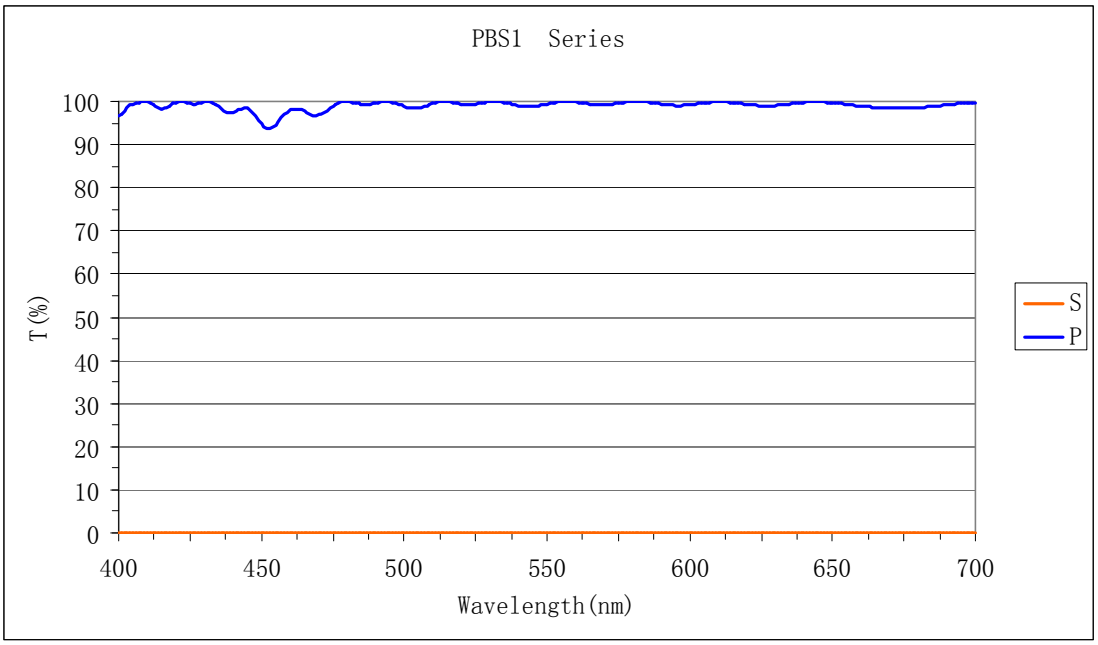
Hypotenuse：45° AOI，Tp>90%, Ts<0.1%, Tp/Ts>1000

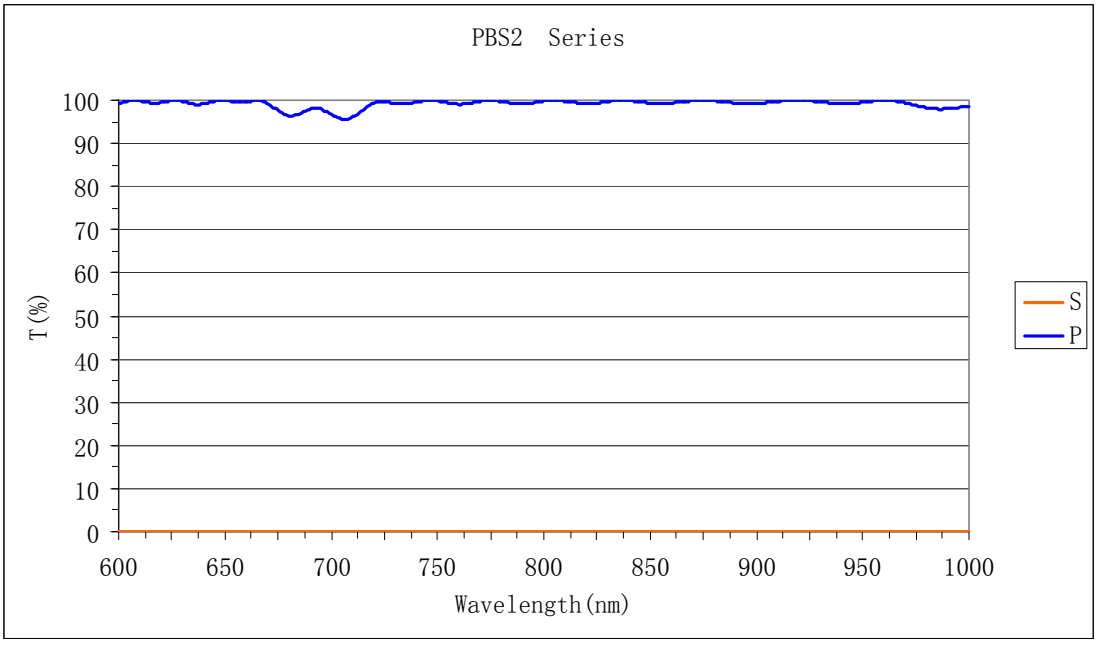
Surface Quality：60/40

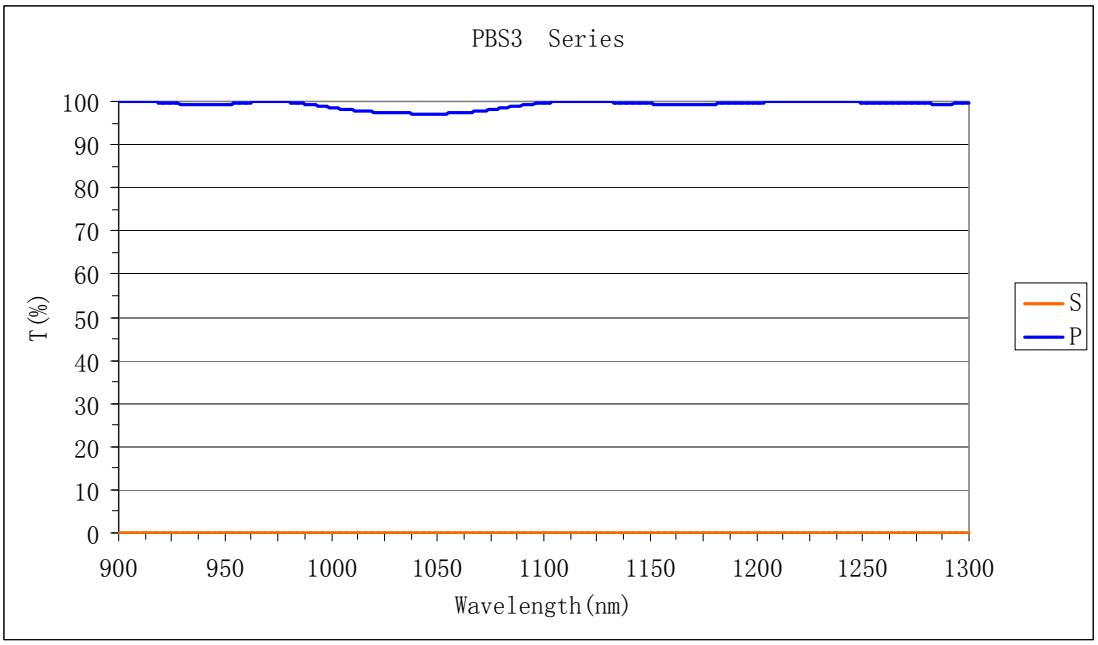
Flatness： λ/10

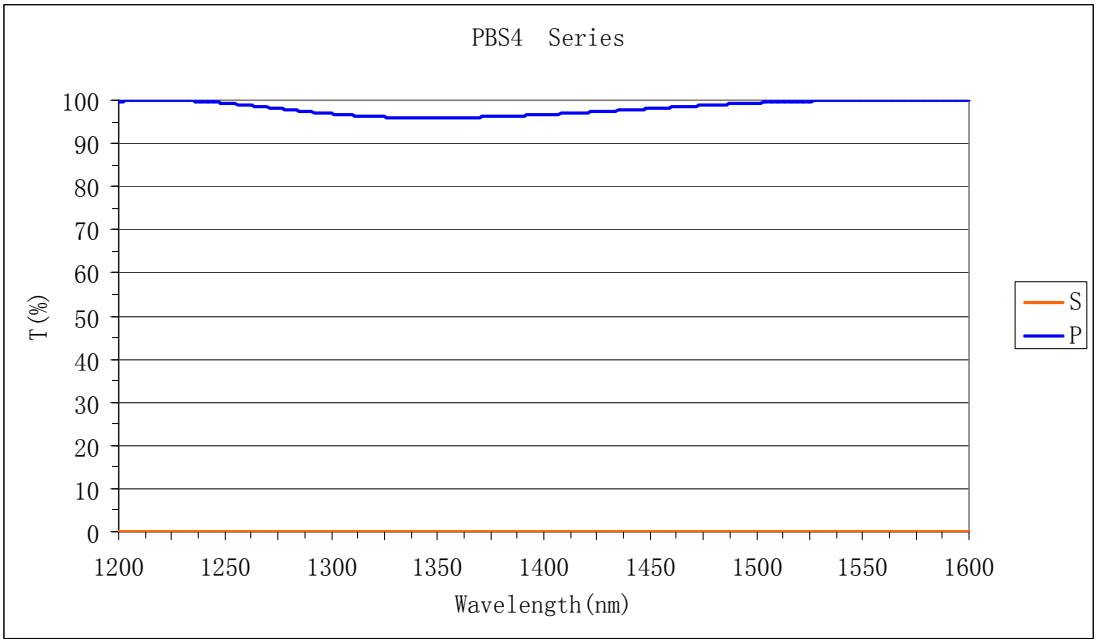
Beam Deviation：＜5’

Clear Apperture：＞85% for >5x5x5, >80% for 5X5X5


PBS1 Series
100
90
80
70
60
50
40
30
20
10
0
T(%)
400
450
500
550
600
650
700
Wavelength(nm)
S
P


PBS2 Series
100
90
80
70
60
50
40
30
20
10
0
T(%)
600
650
700
750
800
850
900
950
1000
Wavelength(nm)
S
P

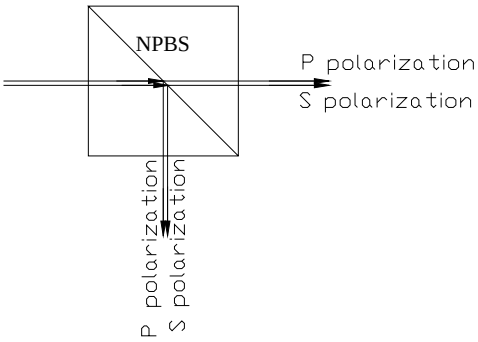




Part NO.	Dimension(mm)	Wavelength Range(nm)	P pol. Transmission	Extinction of Tp/Ts
PBS1-05	5X5X5	420-680	>90%	>1000
PBS1-10	10X10X10	420-680	>90%	>1000
PBS1-12	12.7X12.7X12.7	420-680	>90%	>1000
PBS1-20	20X20X20	420-680	>90%	>1000
PBS1-25	25.4X25.4X25.4	420-680	>90%	>1000
PBS2-05	5X5X5	620-1000	>90%	>1000
PBS2-10	10X10X10	620-1000	>90%	>1000
PBS2-12	12.7X12.7X12.7	620-1000	>90%	>1000
PBS2-20	20X20X20	620-1000	>90%	>1000
PBS2-25	25.4X25.4X25.4	620-1000	>90%	>1000

PBS3-05	5X5X5	900-1300	>90%	>1000
PBS3-10	10X10X10	900-1300	>90%	>1000
PBS3-12	12.7X12.7X12.7	900-1300	>90%	>1000
PBS3-20	20X20X20	900-1300	>90%	>1000
PBS3-25	25.4X25.4X25.4	900-1300	>90%	>1000
PBS4-05	5X5X5	1200-1600	>90%	>1000
PBS4-10	10X10X10	1200-1600	>90%	>1000
PBS4-12	12.7X12.7X12.7	1200-1600	>90%	>1000
PBS4-20	20X20X20	1200-1600	>90%	>1000
PBS4-25	25.4X25.4X25.4	1200-1600	>90%	>1000

8. Broadband Non-polarising Beamsplitter Cubes



Substrate Material：H-K9L

Regular Dimension：5x5x5, 10x10x10, 12.7x12.7x12.7, 20x20x20, 25.4x25.4x25.4mm

Dimension Tolerance：±0.2mm

Regular Wavelength Bands：400nm-700nm, 700nm-1100nm, 1100nm-1600nm

Optical Performance：

Input/Output Surfaces：0° AOI，R<0.5%

Hypotenuse：45° AOI，non-polarization beam splitter

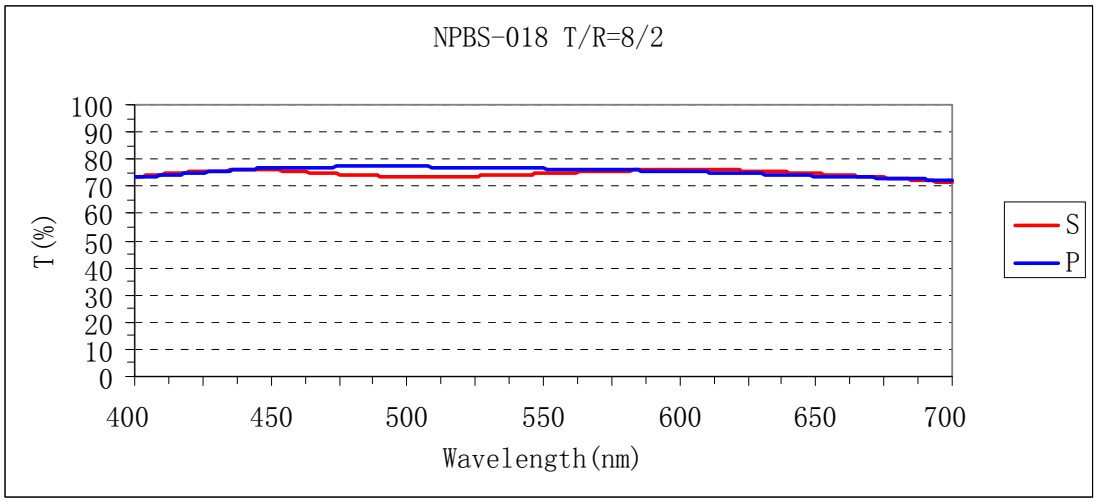
Ratio of T/R available:8/2, 7/3, 6/4, 5/5, 4/6, 3/7, 2/8, 1/9

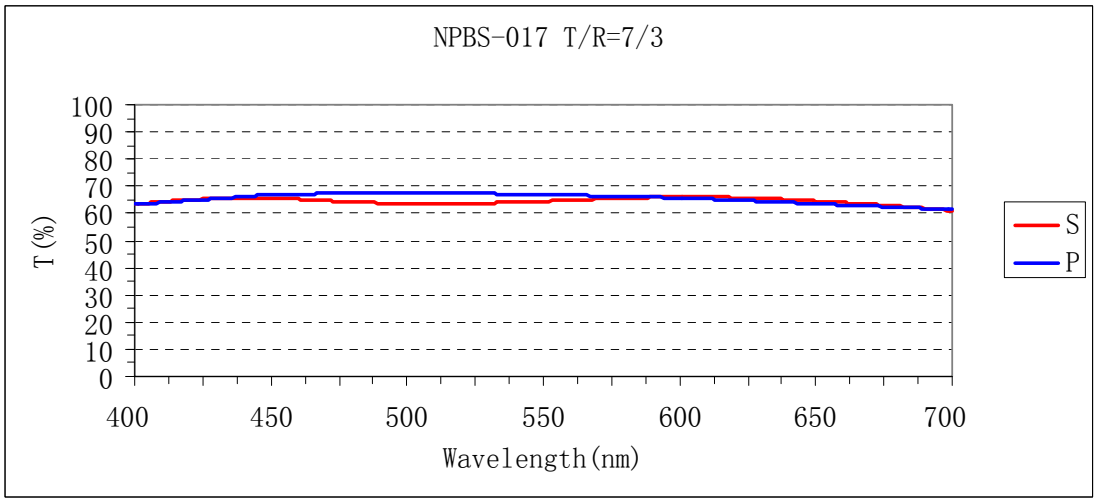
Tolerance of Transmission：±5% or specified,|Tp-Ts|＜8%

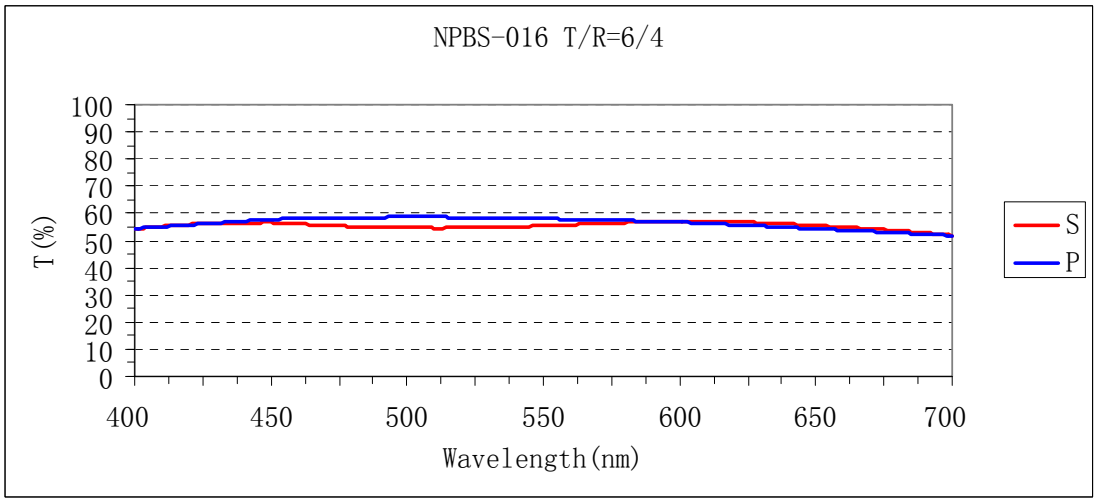
Surface Quality：40/20

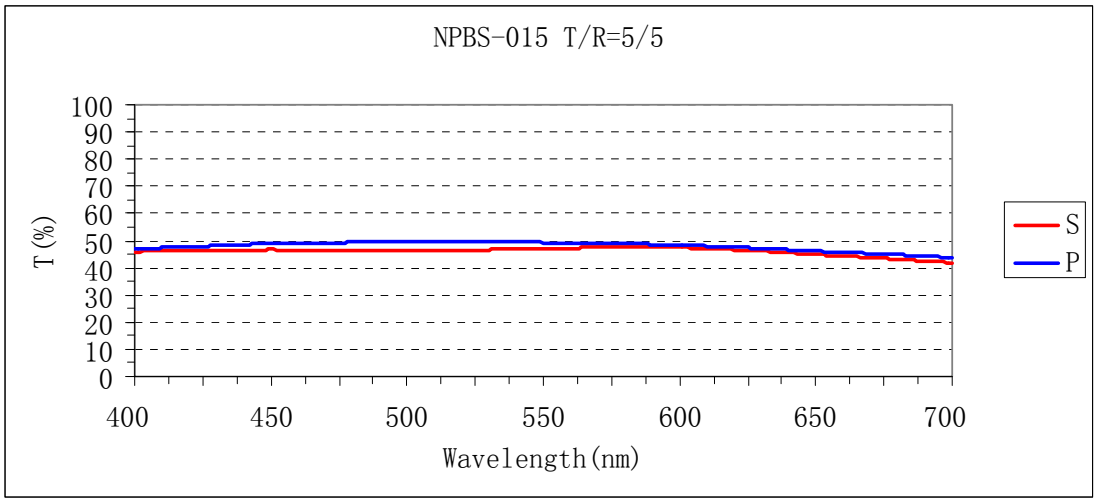
Flatness：λ/10

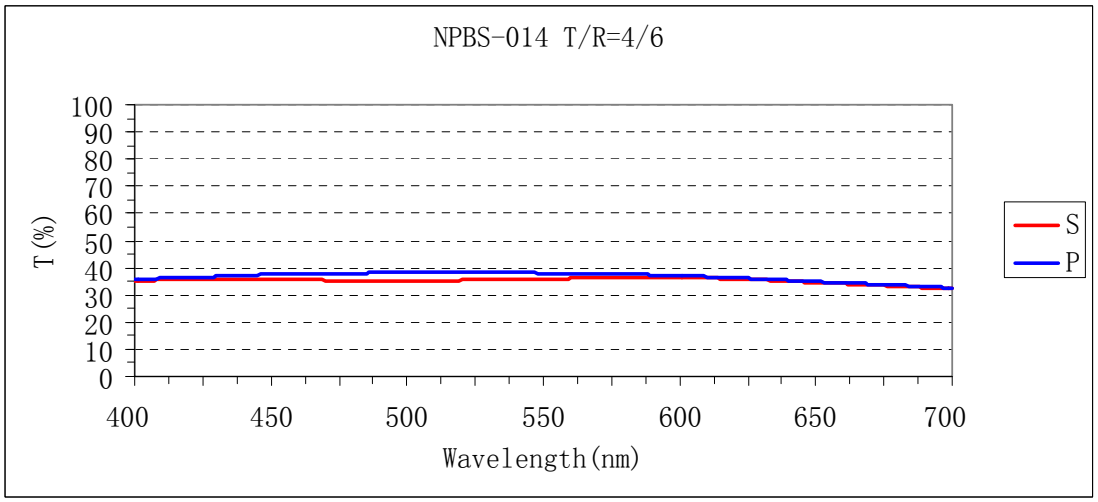
Beam Deviation for Transmission：＜5’

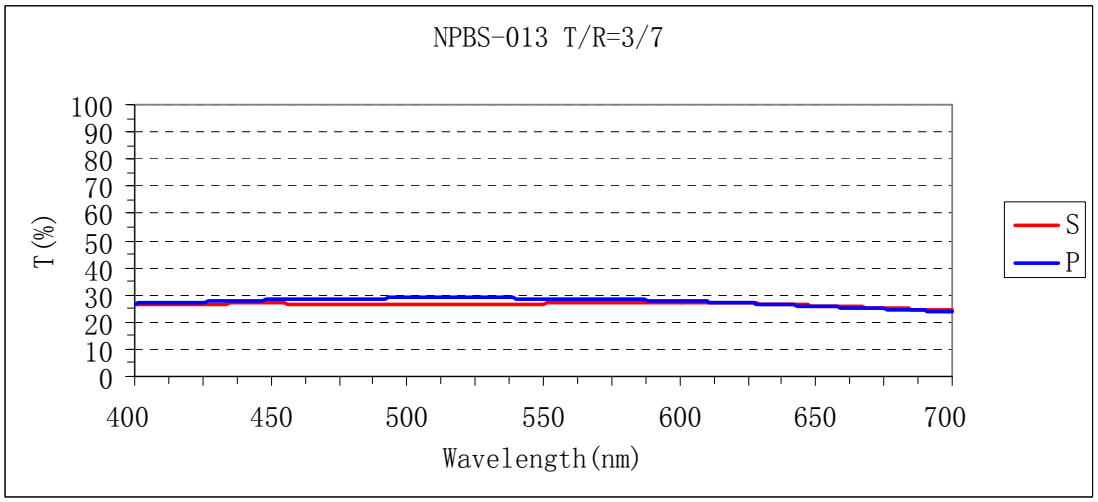

NPBS-018 T/R=8/2
T(%)
100
90
80
70
60
50
40
30
20
10
0
400
450
500
550
600
650
700
Wavelength(nm)
S
P

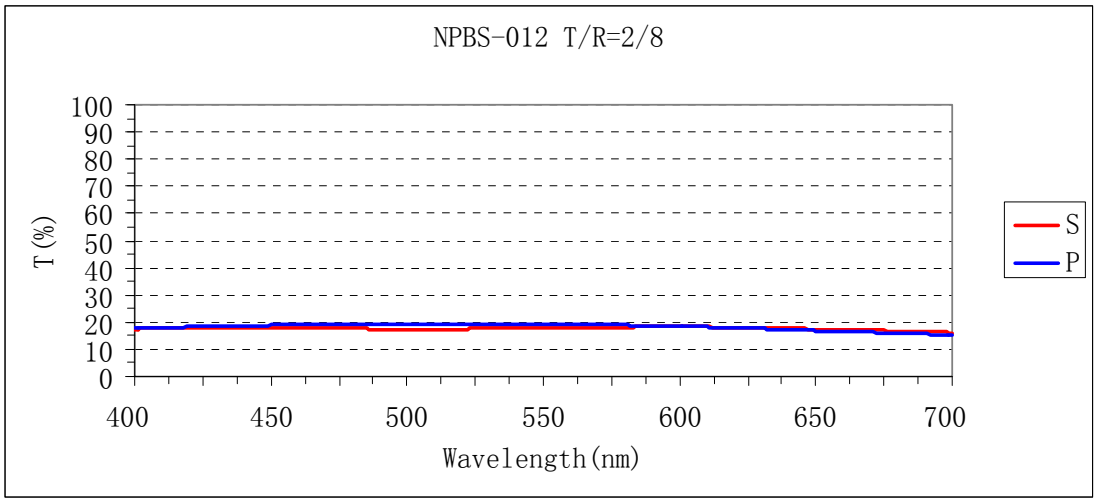

NPBS-017 T/R=7/3
T(%)
100
90
80
70
60
50
40
30
20
10
0
400
450
500
550
600
650
700
Wavelength(nm)
S
P

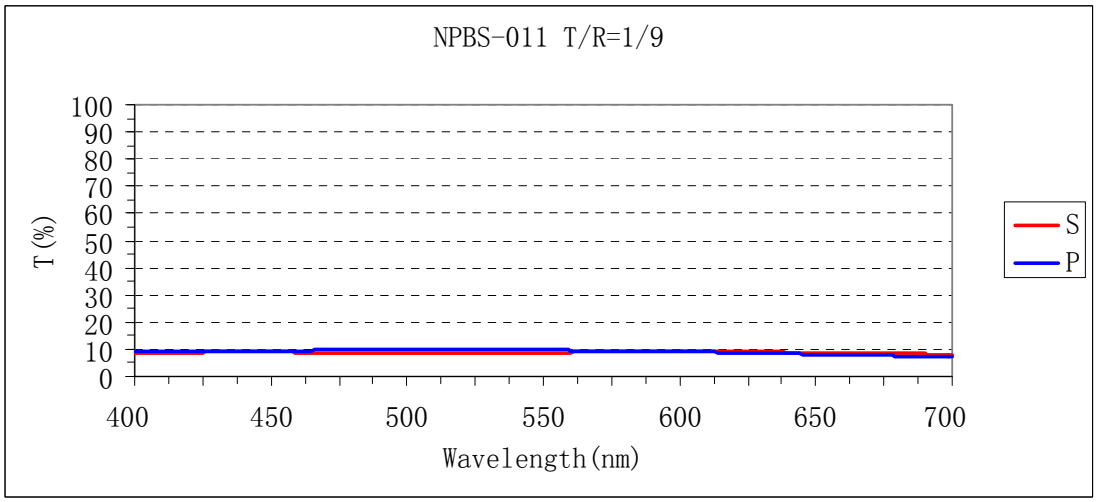

NPBS-016 T/R=6/4
T(%)
100
90
80
70
60
50
40
30
20
10
0
400
450
500
550
600
650
700
Wavelength(nm)
S
P

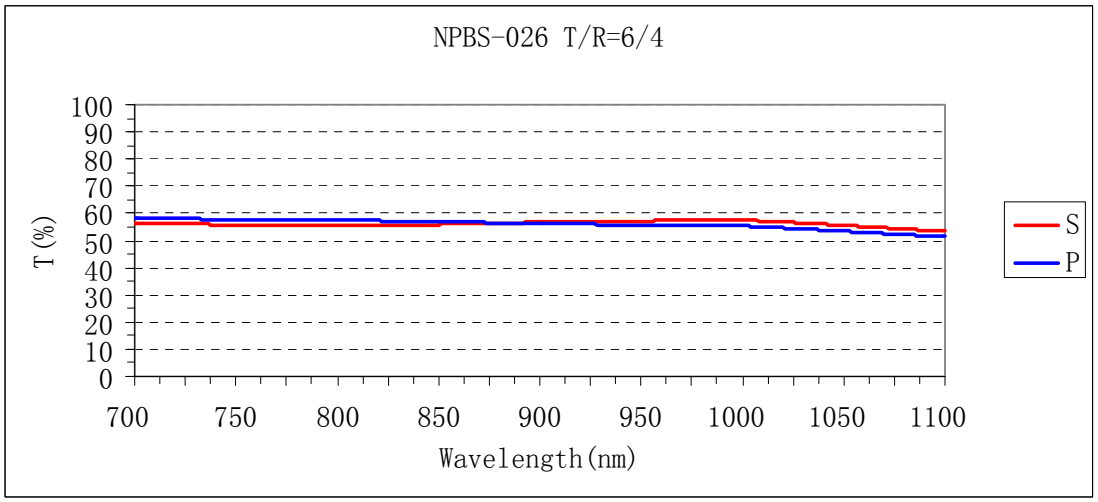

NPBS-015 T/R=5/5
T(%)
100
90
80
70
60
50
40
30
20
10
0
400
450
500
550
600
650
700
Wavelength(nm)
S
P

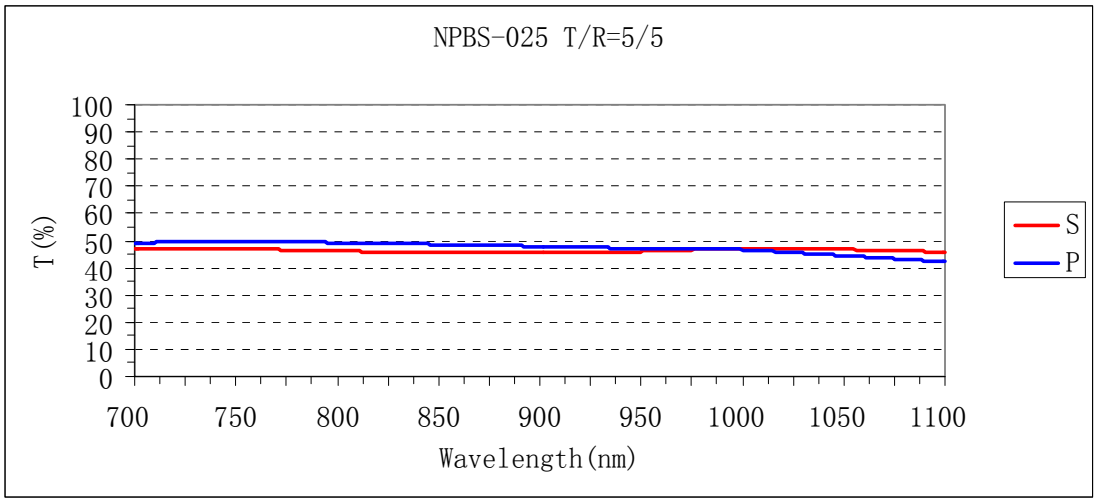

NPBS-014 T/R=4/6
T(%)
100
90
80
70
60
50
40
30
20
10
0
400
450
500
550
600
650
700
Wavelength(nm)
S
P

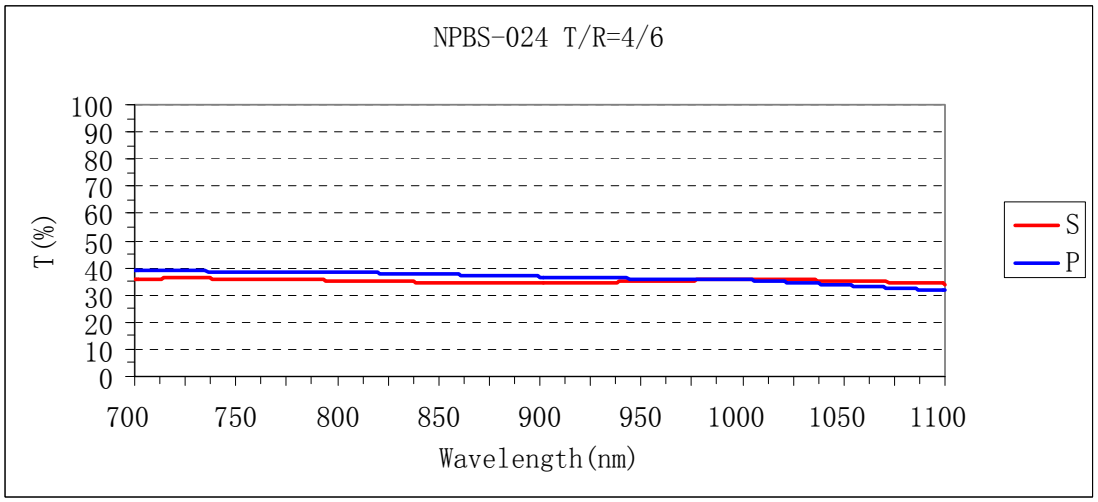

NPBS-013 T/R=3/7
T(%)
100
90
80
70
60
50
40
30
20
10
0
400
450
500
550
600
650
700
Wavelength(nm)
S
P

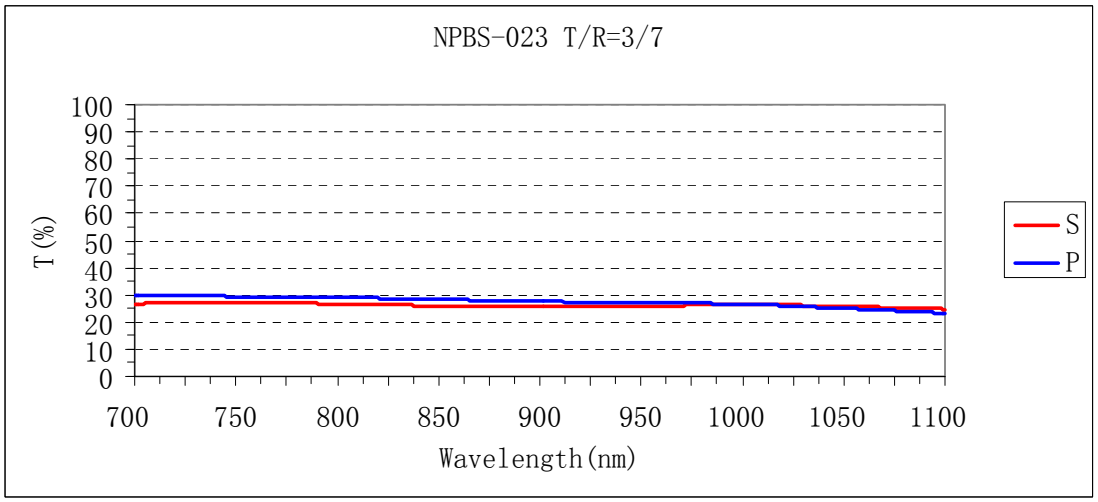

NPBS-012 T/R=2/8
T(%)
100
90
80
70
60
50
40
30
20
10
0
400
450
500
550
600
650
700
Wavelength(nm)
S
P

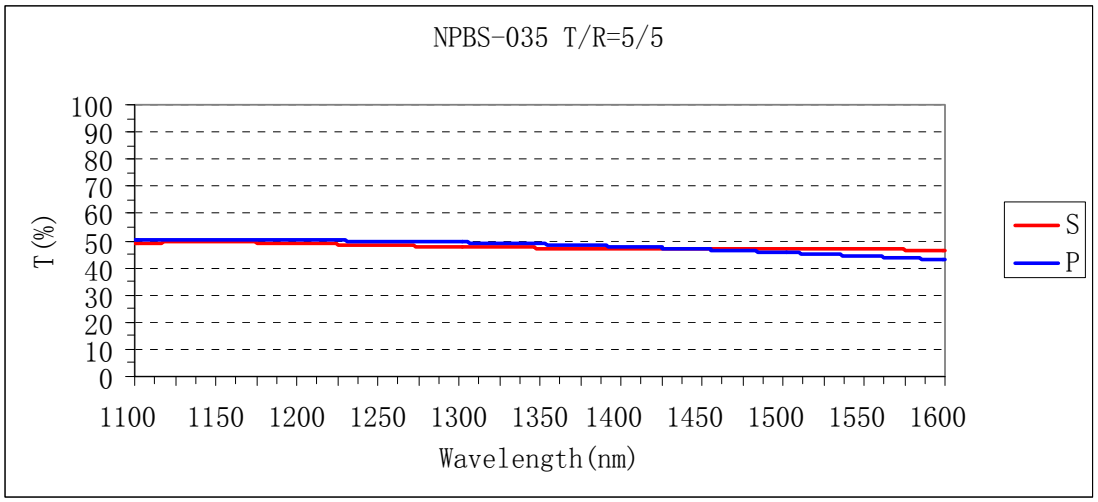

NPBS-011 T/R=1/9
T(%)
100
90
80
70
60
50
40
30
20
10
0
400
450
500
550
600
650
700
Wavelength(nm)
S
P

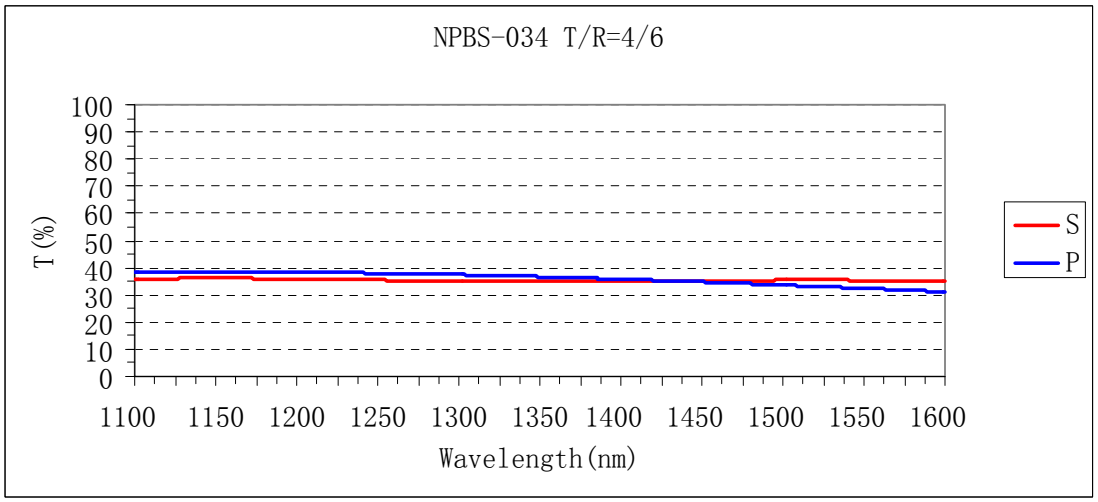

NPBS-026 T/R=6/4
T(%)
100
90
80
70
60
50
40
30
20
10
0
700
750
800
850
900
950
1000
1050
1100
Wavelength(nm)
S
P


NPBS-025 T/R=5/5
T(%)
100
90
80
70
60
50
40
30
20
10
0
700
750
800
850
900
950
1000
1050
1100
Wavelength(nm)
S
P


NPBS-024 T/R=4/6
T(%)
100
90
80
70
60
50
40
30
20
10
0
700
750
800
850
900
950
1000
1050
1100
Wavelength(nm)
S
P


NPBS-023 T/R=3/7
T(%)
100
90
80
70
60
50
40
30
20
10
0
700
750
800
850
900
950
1000
1050
1100
Wavelength(nm)
S
P





Part NO.	Wavelength Range(nm)	Transmission(%)	|Tp-Ts|(%)	T/R	Dimension(nm)
NPBS-011-05	400-700	8±5	<8	1/9	5x5x5
NPBS-011-10	400-700	8±5	<8	1/9	10x10x10
NPBS-011-12	400-700	8±5	<8	1/9	12.7x12.7x12.7
NPBS-011-20	400-700	8±5	<8	1/9	20x20x20
NPBS-011-25	400-700	8±5	<8	1/9	25.4x25.4x25.4
NPBS-012-05	400-700	18±5	<8	2/8	5x5x5
NPBS-012-10	400-700	18±5	<8	2/8	10x10x10
NPBS-012-12	400-700	18±5	<8	2/8	12.7x12.7x12.7
NPBS-012-20	400-700	18±5	<8	2/8	20x20x20
NPBS-012-25	400-700	18±5	<8	2/8	25.4x25.4x25.4
NPBS-013-05	400-700	27±5	<8	3/7	5x5x5
NPBS-013-10	400-700	27±5	<8	3/7	10x10x10
NPBS-013-12	400-700	27±5	<8	3/7	12.7x12.7x12.7
NPBS-013-20	400-700	27±5	<8	3/7	20x20x20

NPBS-013-25	400-700	27±5	<8	3/7	25.4x25.4x25.4
NPBS-014-05	400-700	36±5	<8	4/6	5x5x5
NPBS-014-10	400-700	36±5	<8	4/6	10x10x10
NPBS-014-12	400-700	36±5	<8	4/6	12.7x12.7x12.7
NPBS-014-20	400-700	36±5	<8	4/6	20x20x20
NPBS-014-25	400-700	36±5	<8	4/6	25.4x25.4x25.4
NPBS-015-05	400-700	47±5	<8	5/5	5x5x5
NPBS-015-10	400-700	47±5	<8	5/5	10x10x10
NPBS-015-12	400-700	47±5	<8	5/5	12.7x12.7x12.7
NPBS-015-20	400-700	47±5	<8	5/5	20x20x20
NPBS-015-25	400-700	47±5	<8	5/5	25.4x25.4x25.4
NPBS-016-05	400-700	56±5	<8	6/4	5x5x5
NPBS-016-10	400-700	56±5	<8	6/4	10x10x10
NPBS-016-12	400-700	56±5	<8	6/4	12.7x12.7x12.7
NPBS-016-20	400-700	56±5	<8	6/4	20x20x20
NPBS-016-25	400-700	56±5	<8	6/4	25.4x25.4x25.4
NPBS-017-05	400-700	65±5	<8	7/3	5x5x5
NPBS-017-10	400-700	65±5	<8	7/3	10x10x10
NPBS-017-12	400-700	65±5	<8	7/3	12.7x12.7x12.7
NPBS-017-20	400-700	65±5	<8	7/3	20x20x20
NPBS-017-25	400-700	65±5	<8	7/3	25.4x25.4x25.4
NPBS-018-05	400-700	75±5	<8	8/2	5x5x5
NPBS-018-10	400-700	75±5	<8	8/2	10x10x10
NPBS-018-12	400-700	75±5	<8	8/2	12.7x12.7x12.7
NPBS-018-20	400-700	75±5	<8	8/2	20x20x20
NPBS-018-25	400-700	75±5	<8	8/2	25.4x25.4x25.4
NPBS-023-05	700-1100	27±5	<8	3/7	5x5x5
NPBS-023-10	700-1100	27±5	<8	3/7	10x10x10
NPBS-023-12	700-1100	27±5	<8	3/7	12.7x12.7x12.7
NPBS-023-20	700-1100	27±5	<8	3/7	20x20x20
NPBS-023-25	700-1100	27±5	<8	3/7	25.4x25.4x25.4
NPBS-024-05	700-1100	36±5	<8	4/6	5x5x5
NPBS-024-10	700-1100	36±5	<8	4/6	10x10x10
NPBS-024-12	700-1100	36±5	<8	4/6	12.7x12.7x12.7
NPBS-024-20	700-1100	36±5	<8	4/6	20x20x20
NPBS-024-25	700-1100	36±5	<8	4/6	25.4x25.4x25.4
NPBS-025-05	700-1100	47±5	<8	5/5	5x5x5
NPBS-025-10	700-1100	47±5	<8	5/5	10x10x10
NPBS-025-12	700-1100	47±5	<8	5/5	12.7x12.7x12.7
NPBS-025-20	700-1100	47±5	<8	5/5	20x20x20
NPBS-025-25	700-1100	47±5	<8	5/5	25.4x25.4x25.4
NPBS-026-05	700-1100	56±5	<8	6/4	5x5x5

NPBS-026-10	700-1100	56±5	<8	6/4	10x10x10
NPBS-026-12	700-1100	56±5	<8	6/4	12.7x12.7x12.7
NPBS-026-20	700-1100	56±5	<8	6/4	20x20x20
NPBS-026-25	700-1100	56±5	<8	6/4	25.4x25.4x25.4
NPBS-034-05	1100-1600	36±7	<8	4/6	5x5x5
NPBS-034-10	1100-1600	36±7	<8	4/6	10x10x10
NPBS-034-12	1100-1600	36±7	<8	4/6	12.7x12.7x12.7
NPBS-034-20	1100-1600	36±7	<8	4/6	20x20x20
NPBS-034-25	1100-1600	36±7	<8	4/6	25.4x25.4x25.4
NPBS-035-05	1100-1600	47±7	<8	5/5	5x5x5
NPBS-035-10	1100-1600	47±7	<8	5/5	10x10x10
NPBS-035-12	1100-1600	47±7	<8	5/5	12.7x12.7x12.7
NPBS-035-20	1100-1600	47±7	<8	5/5	20x20x20
NPBS-035-25	1100-1600	47±7	<8	5/5	25.4x25.4x25.4

9. More about Mega-9

Factory Building

Coating Room

Clean Room

Cary 5000 Photospectrometer for measuring transmssion, OD6 of optical depth can be recognized

Collimator for testing cubes beam deviation

Ultrasonic Cleaning Room

Certificate of State High-Tech Enterprize

科技型中小企业技术创新基金

立项证书

承担单位：上海兆九光电技术有限公司

项目名称：机器视觉滤光片

项目类别：技术创新项目

立项代码：13C26213101731

批准文号：国科发计〔2013〕583号

执行期限：2013年10月—2015年9月

INNOFUND 创新基金支持项目

二〇一三年十月

The Administration Center of Innovation Fund for Technology Based SMEs

State Sponsored Project for Machine Vision Filters

科技型中小企业技术创新基金

立项证书

承担单位：上海兆九光电技术有限公司

项目名称：内置式CCD安防监控滤光片

项目类别：创业项目

立项代码：09C26213103465

批准文号：国科发计字[2009]579号

执行期限：2009.05.12 至 2011.05.12

INNOFUND 创新基金支持项目

2009年11月11日

The Administration Center of Innovation Fund for Technology Based SMEs

State Sponsored Project for Optical Filters Build-in CCD Camera

ISO Certificate

证书号第1011970号

发明专利证书

发明名称：一种窄带干涉滤光片的镀制工艺

发明人：汤兆胜

专利号：ZL 2009 1 0050698.7

专利申请日：2009年05月06日

专利权人：上海兆九光电技术有限公司

授权公告日：2012年07月25日

本发明经过本局依照中华人民共和国专利法进行审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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局长

中华人民共和国国家知识产权局

2012年07月25日

第1页（共1页）

Patent for narrow bandpass filter fabrication