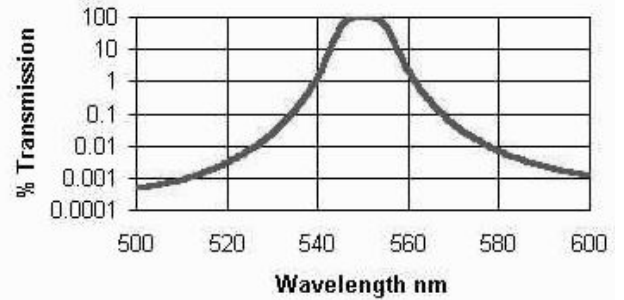


Bandpass Filters-10nm FWHM

Specifications

Out of Band Transmission	<0.01% 200nm to 3000nm
Size (mm)	12.5/12.7mm; 25/25.4mm; 50/50.8mm
Aperture & Thickness (mm)	8.5/8.7mm; 25/25.4mm; 46/46.8mm; Thickness: ≤6.1mm
Optimum Operating Temperature	23°C
Surface/Coating Quality	80/50 Per Mil-0-13830A
Usable Temperature Limits	-50°C to +80°C



Part #	T%	CWL-FWHM	Part #	T%	CWL-FWHM	Part #	T%	CWL-FWHM
CWL-FWHM	Minimum	Tolerance	CWL-FWHM	Minimum	Tolerance	CWL-FWHM	Minimum	Tolerance
220-20	15%	±3nm	540-10	50%	±2nm	840-10	50%	±2nm
254-12.5	15%	±5nm	550-10	50%	±2nm	880-10	50%	±2nm
254-16	18%	±5nm	560-10	50%	±2nm	860-10	50%	±2nm
330-10	20%	±2nm	570-10	50%	±2nm	870-10	50%	±2nm
337.1-10	25%	±2nm	580-10	50%	±2nm	880-10	50%	±2nm
340-10	25%	±2nm	590-10	50%	±2nm	890-10	50%	±2nm
355-10	25%	±2nm	600-10	50%	±2nm	900-10	50%	±2nm
360-10	25%	±2nm	610-10	50%	±2nm	910-10	50%	±2nm
365-10	25%	±2nm	620-10	50%	±2nm	920-10	50%	±2nm
370-10	25%	±2nm	630-10	50%	±2nm	930-10	50%	±2nm
380-10	25%	±2nm	640-10	50%	±2nm	940-10	50%	±2nm
390-10	30%	±2nm	650-10	50%	±2nm	950-10	50%	±2nm
400-10	37%	±2nm	660-10	50%	±2nm	990-10	50%	±2nm
405-10	37%	±2nm	670-10	50%	±2nm	970-10	45%	±2nm
410-10	40%	±2nm	680-10	50%	±2nm	980-10	45%	±2nm
415-10	40%	±2nm	690-10	50%	±2nm	990-10	45%	±2nm
420-10	45%	±2nm	700-10	50%	±2nm	1000-10	45%	±2nm
430-10	45%	±2nm	710-10	50%	±2nm	1050-10	45%	±2nm
436-10	45%	±2nm	720-10	50%	±2nm	1100-10	45%	±2nm
440-10	45%	±2nm	730-10	50%	±2nm	1150-10	45%	±2nm
450-10	45%	±2nm	740-10	50%	±2nm	1200-10	45%	±2nm
460-10	45%	±2nm	750-10	50%	±2nm	1250-10	45%	±2nm
470-10	45%	±2nm	760-10	50%	±2nm	1300-10	40%	±2nm
480-10	45%	±2nm	770-10	50%	±2nm	1350-12	35%	±2.4nm
490-10	45%	±2nm	780-10	50%	±2nm	1400-12	35%	±2.4nm
500-10	50%	±2nm	790-10	50%	±2nm	1450-12	35%	±2.4nm
505-10	50%	±2nm	800-10	50%	±2nm	1500-12	35%	±2.4nm
510-10	50%	±2nm	810-10	50%	±2nm	1550-12	50%	±2.4nm
520-10	50%	±2nm	820-10	50%	±2nm	1600-12	50%	±2.4nm
530-10	50%	±2nm	830-10	50%	±2nm	1650-12	50%	±2.4nm

Bandpass Filters-40nm FWHM

Specifications

Out of Band Transmission	<0.01% 200nm to 1150nm
Size/Minimum Clear Apertures(mm)	12.5/8.5Ø, 12.7/8.7Ø, 25/21.0Ø and 25.4/21.4Ø
Thickness(mm)	≤6.3mm
Optimum Operating Temperature	23°C
Edge treatment	Mounted in black anodized aluminum ring
Surface/Coating Quality	80/50 Per Mil-0-13830A
Usable Temperature Limits	-50°C to +80°C

Model Specifications

Part #	T%	CWL +
CWL-FWHM	Minimum	FWHM Tolerance
400-40	45%	± 8nm
450-40	60%	± 8nm
500-40	70%	± 8nm
550-40	70%	± 8nm
600-40	70%	± 8nm
650-40	70%	± 8nm
700-40	70%	± 8nm
750-40	70%	± 8nm
800-40	70%	± 8nm
850-40	70%	± 8nm
900-40	70%	± 8nm

Specifications

Out of Band Transmission	CWL<1064<0.01% 200nm to 1150nm CWL<1064<0.01% 200nm to 3000nm
Size/Minimum Clear Apertures(mm)	12.5/8.5Ø, 12.7/8.7Ø, 25/21.0Ø 25.4/21.4Ø, 50-46Ø, 50.8/46.8Ø
Thickness(mm)	6.1mm+0/-0.1mm
Optimum Operating Temperature	23°C
Edge treatment	Mounted in black anodized aluminum ring
Surface/Coating Quality	80/50 Per Mil-0-13830A
Usable Temperature Limits	-50°C to +80°C

Laser Line Filters

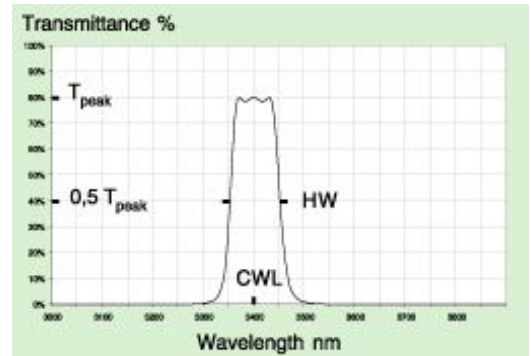
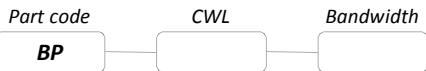
Laser Line	Part #	T%	CWL-FWHM Tolerance
HeNe	594-10	70%	± 2nm
HeNe	612-10	70%	± 2nm
HeNe	632.8-1	50%	± 0.2nm
HeNe	632.8-3	65%	± 0.6nm
HeNe	632.8-10	70%	± 2nm
Diode	635-10	70%	± 2nm
Krypton	647.1-10	70%	± 2nm
Diode	670-10	70%	± 2nm
Diode	670-25	70%	± 5nm
Ruby	694.3-10	70%	± 2nm
Diode	730-10	70%	± 2nm
Diode	780-10	70%	± 2nm
Diode	830-10	70%	± 2nm
Diode	850-10	70%	± 2nm
Diode	880-10	70%	± 2nm
Diode	880-40	70%	± 8nm
Diode	880-70	70%	± 10nm
Diode	905-10	70%	± 2nm
Diode	905-25	70%	± 5nm
Nd:Yag	1064-3	55%	± 0.6nm
Nd:Yag	1064-10	70%	± 2nm
HeNe	1152-10	45%	± 2nm
Diode	1300-30	45%	± 6nm
Diode	*1550-12	40%	± 2.5nm
Diode	*1150-30	45%	± 6nm
Diode	*1150-40	45%	± 8nm

Laser Line	Part #	T%	CWL-FWHM Tolerance
Excimer,XeF	350-10	25%	± 2nm
Nd:Yag	355-10	25%	± 2nm
HeCd	441.6-10	60%	± 2nm
Argon	457.9-10	65%	± 2nm
Argon	488.1	40%	± 0.2nm
Argon	488-3	45%	± 0.6nm
Argon	488-10	65%	± 2nm
Argon	514.5-1	45%	± 0.2nm
Argon	514.5-3	55%	± 0.6nm
Argon	514.5-10	65%	± 2nm
Nd:Yag	532-1	40%	± 0.2nm
Nd:Yag	532-3	60%	± 0.6nm
Nd:Yag	532-10	70%	± 2nm
HeNe	543.5-10	70%	± 2nm

Specifications

Diameter : 25.4 mm +0/-0.2 mm
 Blocking : Average < 0.1 %
 Slope : <5% defined as :

$$\%Slope = \frac{\lambda (80\% \text{ of } T_{peak}) - \lambda_c}{\lambda_c} \cdot 100$$



CWL-FWHM	CWL+/-tol	HW +/-tol	Blocking 100 to	Transm > %
BP-1600-090 nm	20	20	3500	70
BP-1607-064 nm	20	20	3500	70
BP-1630-100 nm	20	20	3500	70
BP-1660-095 nm	20	20	3500	70
BP-1775-100 nm	20	20	3500	70
BP-1820-070 nm	20	20	3500	70
BP-1820-080 nm	20	20	3500	70
BP-1820-086 nm	20	20	3500	70
BP-1820-100nm	20	20	3500	70
BP-1823-083 nm	20	20	3500	70
BP-1830-110 nm	20	20	3500	70
BP-1840-115 nm	20	20	3500	70
BP-1841-100 nm	20	20	3500	70
BP-1847-080 nm	20	20	3500	70
BP-1850-080 nm	20	20	3500	70
BP-1852-087 nm	20	20	3500	70
BP-1853-100 nm	20	20	3500	70
BP-1855-104 nm	20	20	3500	70
BP-1858-100 nm	20	20	3500	70
BP-1865-080 nm	20	20	3500	70
BP-1865-100 nm	20	20	3500	70
BP-1865-104 nm	20	20	3500	70
BP-1870-105nm	20	20	3500	70
BP-1875-104 nm	20	20	3500	70
BP-1875-107 nm	20	20	3500	70
BP-1885-100 nm	20	20	3500	70
BP-1887-065 nm	20	20	3500	70
BP-1915-080 nm	20	20	3500	70
BP-1920-080 nm	20	20	3500	70
BP-1920-110 nm	20	20	3500	70
BP-1925-100 nm	20	20	3500	70
BP-1930-070 nm	20	20	3500	70
BP-1930-112 nm	20	20	3500	70
BP-1932-080 nm	20	20	3500	70
BP-1933-080 nm	20	20	3500	70
BP-1936-105 nm	20	20	3500	70
BP-1939-107 nm	20	20	3500	70
BP-1940-105 nm	20	20	3500	70
BP-1940-111 nm	20	20	3500	70
BP-1940-118 nm	20	20	3500	70
BP-1945-112 nm	20	20	3500	70

CWL-FWHM	CWL+/-tol	HW +/-tol	Blocking 100 to	Transm > %
BP-1946-108 nm	20	20	3500	70
BP-1948-112 nm	20	20	3500	70
BP-1950-112 nm	20	20	3500	70
BP-1958-080 nm	20	20	3500	70
BP-1958-127 nm	20	20	3500	70
BP-1960-120 nm	20	20	3500	70
BP-1820-080 nm	20	20	3500	70
BP-1820-086 nm	20	20	3500	70
BP-1820-100nm	20	20	3500	70
BP-1823-083 nm	20	20	3500	70
BP-1830-110 nm	20	20	3500	70
BP-1840-115 nm	20	20	3500	70
BP-1841-100 nm	20	20	3500	70
BP-1847-080 nm	20	20	3500	70
BP-1850-080 nm	20	20	3500	70
BP-1852-087 nm	20	20	3500	70
BP-1853-100 nm	20	20	3500	70
BP-1855-104 nm	20	20	3500	70
BP-1858-100 nm	20	20	3500	70
BP-1865-080 nm	20	20	3500	70
BP-1865-100 nm	20	20	3500	70
BP-1865-104 nm	20	20	3500	70
BP-1870-105nm	20	20	3500	70
BP-1875-104 nm	20	20	3500	70
BP-1875-107 nm	20	20	3500	70
BP-1885-100 nm	20	20	3500	70
BP-1887-065 nm	20	20	3500	70
BP-1915-080 nm	20	20	3500	70
BP-1920-080 nm	20	20	3500	70
BP-1920-110 nm	20	20	3500	70
BP-1925-100 nm	20	20	3500	70
BP-1930-070 nm	20	20	3500	70
BP-1930-112 nm	20	20	3500	70
BP-1932-080 nm	20	20	3500	70
BP-1933-080 nm	20	20	3500	70
BP-1936-105 nm	20	20	3500	70
BP-1939-107 nm	20	20	3500	70
BP-1940-105 nm	20	20	3500	70
BP-1940-111 nm	20	20	3500	70
BP-1940-118 nm	20	20	3500	70
BP-1945-112 nm	20	20	3500	70

Bandpass Filters

NIR/IR

Part#	CWL+/-tol	HW+/-tol	Blocking 100 to	Transm>%
BP-3410-132 nm	40	20	30000	70
BP-3410-290 nm	40	20	30000	70
BP-3415-130 nm	40	20	30000	70
BP-3419-140 nm	40	20	30000	70
BP-3420-075 nm	40	20	30000	70
BP-3420-200 nm	40	20	30000	70
BP-3420-250 nm	40	20	30000	70
BP-3425-100 nm	20	10	7100	70
BP-3439-131 nm	40	20	30000	70
BP-3439-140nm	40	20	30000	70
BP-3440-130 nm	20	10	30000	75
BP-3440-140 nm	10	10	30000	70
BP-3443-130 nm	40	20	30000	70
BP-3445-140 nm	40	20	30000	70
BP-3450-100 nm	40	20	30000	70
BP-3465-105 nm	40	20	30000	70
BP-3475-100 nm	20	10	7100	70
BP-3570-170 nm	40	20	30000	70
BP-3585-174 nm	40	20	30000	70
BP-3640-165 nm	40	20	30000	70
BP-3700-110 nm	40	20	30000	70
BP-3725-115 nm	30	10	6900	70
BP-3750-110 nm	40	20	30000	70
BP-3800-180 nm	40	20	30000	70
BP-3887-112 nm	40	20	30000	70
BP-3900-110 nm	40	20	30000	70
BP-3900-150 nm	40	20	30000	70
BP-3900-178 nm	40	10	30000	75
BP-3900-200 nm	40	20	30000	70
BP-3940-100 nm	40	20	30000	70
BP-3950-125 nm	30	15	30000	75
BP-3985-115 nm	40	20	30000	70
BP-4000-120 nm	40	20	30000	70
BP-4000-160 nm	20	25	30000	75
BP-4040-160 nm	20	25	30000	75
BP-4190-195 nm	40	20	30000	80
BP-4225-190nm	40	20	30000	70
BP-4240-180 nm	40	20	30000	70
BP-4240-195 nm	40	20	30000	70
BP-4250-115 nm	40	20	30000	70
BP-4250-180 nm	25	20	30000	75
BP-4250-190 nm	40	20	30000	70
BP-4260-150 nm	40	20	30000	70
BP-4260-180 nm	40	20	30000	70
BP-4265-120 nm	40	20	30000	70
BP-4275-090 nm	40	20	30000	70
BP-4280-200 nm	25	20	30000	80
BP-4300-200 nm	40	20	30000	70
BP-4350-180 nm	40	20	30000	70
BP-4350-200 nm	40	20	30000	70
BP-4425-180 nm	40	20	30000	70
BP-4440-160 nm	20	20	30000	70
BP-4440-200 nm	30	20	30000	75
BP-4470-180 nm	20	10	30000	75
BP-4480-180 nm	10	20	30000	0
BP-4535-180 nm	10	20	30000	70
BP-4555-125 nm	40	20	30000	70
BP-4560-260 nm	40	20	30000	70
BP-4575-125 nm	40	20	30000	70
BP-4605-245 nm	40	20	30000	70
BP-4630-180 nm	40	20	30000	70

Part#	CWL+/-to	HW+/-tol	Blocking 100 to	Transm>%
BP-4665-240 nm	40	20	30000	70
BP-4670-135 nm	40	20	30000	70
BP-4675-200 nm	40	20	30000	70
BP-4678-140 nm	40	20	30000	70
BP-4685-168 nm	30	15	8000	70
BP-4686-215 nm	40	20	30000	70
BP-4720-130 nm	40	20	30000	70
BP-4720-133 nm	40	20	30000	70
BP-4720-135 nm	40	20	30000	70
BP-4720-137 nm	40	20	30000	70
BP-4725-155 nm	30	15	8000	70
BP-4740-140 nm	40	20	30000	70
BP-4748-334 nm	40	20	30000	70
BP-4750-190 nm	40	20	30000	70
BP-4775-175 nm	40	20	30000	70
BP-4790-175 nm	40	20	30000	70
BP-5000-145 nm	50	35	30000	70
BP-5220-300 nm	50	35	30000	70
BP-5245-200 nm	50	35	30000	70
BP-5250-270 nm	50	35	30000	70
BP-5300-200 nm	50	35	30000	70
BP-5320-265 nm	50	35	30000	70
BP-5680-165 nm	50	35	30000	70
BP-5900-250 nm	50	35	10500	70
BP-6000-250 nm	50	35	10500	70
BP-6010-255 nm	50	35	10500	70
BP-6420-180 nm	50	35	11000	70
BP-6600-320 nm	50	35	10500	70
BP-6620-230 nm	50	35	10500	70
BP-8180-240 nm	30	20	14000	70
BP-8282-540 nm	50	35	13000	70
BP-8440-205 nm	50	35	15000	70
BP-8630-200 nm	50	35	14000	70
BP-8635-180 nm	50	35	14000	70
BP-8640-1130 nm	50	35	19000	70
BP-8645-550 nm	50	35	13500	70
BP-8655-445 nm	50	35	15000	70
BP-8700-500 nm	50	35	13500	70
BP-8705-335 nm	50	35	14500	70
BP-8710-345 nm	50	35	15000	70
BP-8720-295 nm	50	35	15000	70
BP-8730-335 nm	50	35	14500	70
BP-8780-320 nm	50	35	14500	70
BP-8780-335 nm	50	35	15000	70
BP-8780-340 nm	50	35	15000	70
BP-8830-320 nm	50	35	15000	70
BP-8835-335 nm	50	35	15000	70
BP-8835-335 nm	50	35	14500	70
BP-9130-500 nm	50	35	16000	70
BP-9260-500 nm	50	35	16000	70
BP-9965-675 nm	50	35	16000	70
BP-10240-663 nm	100	100	16500	70
BP-10530-800 nm	100	100	16500	70
BP-10540-690 nm	100	100	16500	70
BP-10550-800 nm	100	100	16500	70
BP-10565-695 nm	50	40	18500	70
BP-10580-740 nm	100	100	16500	70
BP-10700-680 nm	100	100	16500	70
BP-12250-415 nm	100	100	16500	70
BP-13360-850 nm	100	100	16500	70
BP-14100-815 nm	100	100	16500	70
BP-14100-850 nm	100	100	16500	70