

## IR Narrow Bandpass Filter List

8/12/2009

Catalog No.	CWL nm	HW	Tp	Size(mm)	Sub
NBP-10.6	10653	110	> 65	φ25×0.5	Si
	10687		> 65		
	10730		> 55		
	10423	140	> 75		
	10514	190	> 75		

**CWL**=Center Wavelength **HW**=Nominal FWHM ±20 (nm) **Tp**=Tpeak±5%

Out of band blocking(from **6.5** to **14μm**): Tavg<1%

Catalog No.	CWL nm	HW	Tp	Size(mm)	Sub
NBP-10.3	10321	190	> 70	φ25×0.5	Si
	10231	190	> 90	φ11.7×0.6	Ge
	10481	110	> 70	φ25.4×0.5	Ge

**CWL**=Center Wavelength **HW**=Nominal FWHM ±20 (nm) **Tp**=Tpeak±5%

Out of band blocking(from **UV** to **13.6μm**): Tavg<1%

Catalog No.	CWL nm	HW	Tp	Size(mm)	Sub
NBP10.6	10600	190	> 90	φ11.7×0.6	Ge
	10200	190	> 70	φ15×1.0	Ge
	10400	160	> 75	φ25.4×0.5	Ge
	10600	110	> 70		
	10600	160	> 75		
	10600	190	> 85		
	10800	170	> 75		
	10900	140	> 70		
	10800	220	> 70		
	10400	140	> 80	φ50×1.0	Ge
	10200	190	> 75	φ25×0.5	Si
	10600	190	> 70		
	10800	190	> 80		

**CWL**=Center Wavelength±100(nm) **HW**=Nominal FWHM ±20 (nm) **Tp**=Tpeak±5%

Out of band blocking(from **UV** to **14μm**): Tavg<1%

Catalog No.	CWL nm	HW	Tp	Size(mm)	Sub
NBP-1440	1440±5	20	> 70	φ30×1.25	BK7
				φ5×3.0	
NBP-1720	1700±5	20	> 60	φ5×3.0	BK7
	1710±5	20	> 55		
	1720±5	20	> 60		
	1720±5	20	> 50		
	1730±5	20	> 55		
	1740±5	20	> 55		
NBP-1930	1900±5	20	> 70	φ5×3.0	BK7
	1910±5	20	> 70		
	1920±5	20	> 60		
	1930±5	20	> 80		
	1940±5	20	> 80	φ30×1.25	

**CWL**=Center Wavelength    **HW**=Nominal FWHM ±5 (nm)    **Tp**=Tpeak±5%

Out of band blocking(from **UV** to **2.2μm**): Tavg<0.5%

Catalog No.	CWL nm	HW	Tp	Size(mm)	Sub
NBP-1480	1480±20	30	> 80	φ16×1.0	BK7
NBP-1530	1530±20	30	> 70	φ16×1.0	BK7
NBP-1790	1790±20	30	> 80	φ16×1.0	BK7
NBP-2060	2060±20	50	> 80	φ16×1.0	BK7
NBP-2080	2080±20	50	> 80	φ16×1.0	BK7
NBP-2100	2100±20	50	> 80	φ16×1.0	BK7
NBP-2200	2200±20	30	> 70	φ16×1.0	BK7
NBP2240	2250±10	30	> 80	φ10×1.0	BK7
				φ16×1.0	BK7
				φ25.4×1.0	BK7
NBP-2290	2270±10	30	> 80	φ10×1.0	BK7
				φ16×1.0	BK7
	2310±10	30	> 80	φ10×1.0	BK7
				φ16×1.0	BK7
				φ25.4×1.0	BK7
	2310±10	30	> 80	φ10×1.0	BK7
φ16×1.0				BK7	

				φ25.4×1.0	BK7
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**CWL=Center Wavelength HW=Nominal FWHM ±10 (nm) Tp=Tpeak±5%**

Out of band blocking(from **UV** to **3μm**): Tavg<0.5%

Catalog No.	CWL nm	HW	Tp	Size(mm)	Sub
NBP-4200	4200±30	410	> 80	φ100×0.5	Si
				φ25.3×0.5	Si
				5×5×0.5	Si
NBP-4520	4520±20	220	> 80	φ100×0.5	Si
				φ25.3×0.5	Si
				5×5×0.5	Si
NBP-4960	4960±20	240	> 80	φ100×0.5	Si
NBP-5020	5020±40	240	> 80	φ100×0.5	Si
				φ25.3×0.5	Si
				5×5×0.5	Si
BP-4800	4800±50	190	> 80	φ18×0.3	Ge
				φ25.4×0.5	Ge
NBP-4870	4870±20	190	> 80	φ18×0.3	Ge
				φ25.4×0.5	Ge

**CWL=Center Wavelength HW=Nominal FWHM ±20 (nm) Tp=Tpeak±5%**

Out of band blocking(from **UV** to **6.5μm**): Tavg<0.5%

Catalog No.	CWL	HW	Tp	Size(mm)	Sub
NBP-4100	4097	80	> 80	φ10×0.5	Sapphire
NBP-4150	4152	80	> 80	φ10×0.5	Sapphire
NBP-4210	4200±10	80	> 80	φ10×1.0	Sapphire
	4220±10	80	> 80	φ10×1.0	Sapphire
NBP-4250	4240±10	80	> 80	φ10×0.5	Sapphire
				φ10×1.0	Sapphire
	4250±20	50	> 85	φ8×1.0	Sapphire
NBP-4260	4260±20	80	> 75	φ10×1.0	Sapphire
				φ10×0.5	Sapphire
NBP-4290	4280±10	80	> 75	φ10×1.0	Sapphire
	4280±10	50	> 80	φ8×1.0	Sapphire
	4290±20	50	> 80	φ25×0.5	Sapphire
NBP-4300	4300±20	90	> 80	φ10×0.5	Sapphire

		80		φ10×1.0	Sapphire
	4310±10	80	> 80	φ10×1.0	Sapphire
NBP-4350	4340±20	80	> 80	φ10×1.0	Sapphire
	4370±10	80	> 80	φ10×1.0	Sapphire
NBP-4400	4400±20	80	> 80	φ10×1.0	Sapphire
				φ10×0.5	
		60	> 80	φ10×0.5	
		30	> 70	φ8×1.0	
NBP-4430	4430±10	90	> 80	φ10×1.0	Sapphire
	4430±20	30	> 70	φ8×1.0	Sapphire
NBP-4520	4520±20	75	> 80	φ10×0.5	Sapphire

CWL=Center Wavelength    HW=Nominal FWHM ±20 (nm)    Tp=Tpeak±5%

Out of band blocking(from UV to 20μm): Tavg<1.0%

Catalog No.	CWL nm	HW	Tp	Size(mm)	Sub
NBP-3200	3200±17	40	> 75	φ20×1.0	Si
NBP-3230	3230±16	40	> 75	φ20×1.0	Si
			> 70	φ20×1.0	Si
			> 70	φ25×0.5	Si
NBP-3265	3265±20	40	> 75	φ20×1.0	Si
			> 70	φ25×0.5	Si
NBP-3320	3320±16	40	> 80	φ25×0.5	Si
NBP-3350	3350±17	40	> 70	φ25×0.5	Si
NBP-3400	3400±20	40	> 80	φ25×0.5	Si
				φ20×1.0	Si
		140	> 80	φ25.3×0.5	Si
	3410±10	40	> 80	φ25×0.5	Si
NBP-3460	3460±20	40	> 80	φ25×0.5	Si
NBP-3900	3900±20	180	> 85	φ100×0.5	Si
				φ25×0.5	Si
				3.5×3.5×0.5	Si
				3.3×3.3×0.5	Si
NBP-4150	4150±20	180	> 80	φ20×1.0	Si
NBP-4200	4210±20	180	> 80	φ20×1.0	Si
	4200±30	90	> 80	3.5×3.5×0.5	Si
	4200±10	120	> 60	φ25×0.5	Si

NBP-4260	4260±42	180	> 80	φ101.6×0.5	Si
				φ20×1.0	Si
				3.3×3.3×0.3	Si
				4×4×1.0	Si
				4.5×4.5×0.5	Si
	4260±42	90	> 65	φ100×0.5	Si
				φ100×0.5	Si
			> 80	φ25×0.5	Si
				3.5×3.5×0.5	Si
NBP-4270	4270±43	130	> 85	φ100×0.5	Si
				φ25×0.5	Si
				4×4×0.5	Si
NBP-4300	4300±10	180	> 80	φ20×1.0	Si
	4310±10	90	> 80	φ25×0.5	Si
NBP-4610	4610±20	180	> 80	φ20×1.0	Si
NBP-4670	4670±40	180	> 80	φ20×1.0	Si
		200	> 70	φ20×1.0	Si
NBP-5220	5210±10	140	> 80	φ20×1.0	Si
	5230±10	180	> 80	φ20×1.0	Si
NBP-5300	5300±53	180	> 80	φ20×1.0	Si
NBP-6220	6220±20	140	> 80	φ100×0.5	Si
NBP-6300	6300±50	140	> 80	φ100×0.5	Si
			> 75	φ100×0.5	Si
NBP-6380	6380±30	140	> 80	φ100×0.5	Si
NBP-6680	6680±30	90	> 80	φ100×0.5	Si
		100	> 80	φ25×0.5	Si
NBP-6730	6720±10	100	> 65	φ20×1.0	Si
	6740±10		> 70	φ20×1.0	Si
			> 80	φ25×0.5	Si
			> 80	4×4×0.5	Si
NBP-6740	6740±50	90	> 80	φ100×0.5	Si
			> 80	4×4×0.5	Si
			> 70	4×4×0.5	Si
NBP-6820	6820±68	100	> 70	φ20×1.0	Si

			> 80	φ25×0.5	Si
NBP6910	6910±20	90	> 70	φ100×0.5	Si
NBP-7180	7180±30	200	> 80	φ10×1.0	Si
	7200±10	180	> 70	φ10×1.0	Si
NBP-7230	7230±20	180	> 70	φ10×1.0	Si
	7220±20	310	> 75	φ20×1.0	Si
	7220±10	270	> 80	φ20×1.0	Si
NBP-7260	7250±10	190	> 80	φ10×1.0	Si
		310	> 80	φ20×1.0	Si
		270	> 80	φ20×1.0	Si
	7260±20	180	> 85	4×4×0.5	Si
				φ25×0.5	Si
	7270±10	310	> 80	φ20×1.0	Si
270		> 80	φ20×1.0	Si	
NBP-7300	7300±40	190	> 60	φ10×1.0	Si
	7300±20	180	> 85	4×4×0.5	Si
				φ25×0.5	Si
NBP-7350	7350±73	310	> 80	φ20×1.0	Si
			> 70	φ20×1.0	Si
NBP-7370	7370±50	190	> 80	φ10×1.0	Si
	7370±50	180	> 85	4×4×0.5	Si
				φ25×0.5	Si
NBP-7460	7440±20	180	> 85	φ25×0.5	Si
	7450±20	180	> 80	φ10×1.0	Si
	7460±40	300	> 80	φ20×1.0	Si
	7480±20	180	> 85	φ25×0.5	Si
φ100×0.5				Si	
NBP-7680	7680±20	200	> 80	φ25×0.5	Si
NBP-7730	7730±30	200	> 80	φ25×0.5	Si
NBP-7780	7780±20	200	> 80	φ25×0.5	Si
			> 80	φ20×1.0	Si
			> 85	φ100×0.5	Si
NBP-7850	7850±50	200	> 80	φ20×1.0	Si
			> 85	φ100×0.5	Si
NBP-7900	7900±50	200	> 80	φ20×1.0	Si

			> 85	φ100×0.5	Si
NBP-7970	7970±20	200	> 80	φ20×1.0	Si
			> 85	φ25×0.5	Si
NBP-8010	8010±20	200	> 80	φ20×1.0	Si
			> 85	φ25×0.5	Si
			> 85	φ100×0.5	Si
NBP-8060	8060±30	200	> 80	φ20×1.0	Si

**CWL**=Center Wavelength **HW**=Nominal FWHM ±20 (nm) **Tp**=Tpeak±5%

Out of band blocking(from **UV** to **11μm**): Tavg<0.5%

Catalog No.	CWL nm	HW	Tp	Size(mm)	Sub
NBP 7780	7780±20	200	> 80	φ20×1.0	Si
			> 85	φ100×0.5	Si
NBP-7850	7850±50	200	> 75	φ20×1.0	Si
			> 80	φ20×1.0	Si
			> 85	φ100×0.5	Si
NBP 7900	7900±50	200	> 80	φ20×1.0	Si
NBP 7970	7970±20	200	> 80	φ20×1.0	Si
NBP 8010	8010±20	210	> 75	φ20×1.0	Si

**CWL**=Center Wavelength **HW**=Nominal FWHM ±20 (nm) **Tp**=Tpeak±5%

Out of band blocking(from **UV** to **10.4μm**): Tavg<0.5%