

IR Wide Bandpass Filter List

8/12/2009

Catalog No.	TWR (μm)	Tavg	Tmin	Size(mm)	Sub
WBP 1.3-2.1	1.3 ~ 2.1	≥ 90	≥ 75	$\phi 25.3 \times 0.5$	Si

TWR(μm)=Transmission Wavelength Range

Out of band blocking(from **UV** to $1.1\mu\text{m}$, 2.5 to $5\mu\text{m}$): Tavg<1%

Catalog No.	TWR (μm)	Tavg	Tmin	Size(mm)	Sub
WBP 2.3-3.7	2.3 ~ 3.7	≥ 90	≥ 85	$\phi 50.8 \times 1.0$	Si
				$\phi 25.3 \times 0.5$	
WBP 2.25-3.6	2.25-3.6	≥ 90	≥ 85	$\phi 50.8 \times 1.0$	Si

TWR(μm)=Transmission Wavelength Range

Out of band blocking(from **UV** to $2.1\mu\text{m}$, 3.8 to $5\mu\text{m}$): Tavg<1%

Catalog No.	TWR (μm)	HW	Tavg	Tmin	Size(mm)	Sub
WBP 4.55-4.75	4.47 ~ 4.74	340	≥ 80	≥ 70	$\phi 12.4 \times 0.3$	Ge

TWR(μm)=Transmission Wavelength Range HW=Nominal FWHM ± 20 (nm)

Out of band blocking(from **UV** to $6.5\mu\text{m}$): Tavg<1%

Catalog No.	CWL	HW	TWR (μm)	Tavg	Size(mm)	Sub
WBP-5190	5190 ± 20	640	4.94 ~ 5.3	≥ 85	$\phi 20 \times 1.0$	Si
	5205 ± 5	640	4.94 ~ 5.4	≥ 85	$\phi 20 \times 1.0$	Si
WBP-5230	5230 ± 20	640	5.0 ~ 5.4	≥ 85	$\phi 20 \times 1.0$	Si
WBP-5300	5300 ± 53	560	5.0 ~ 5.4	≥ 85	$\phi 20 \times 1.0$	Si
WBP-5360	5360 ± 10	640	5.1 ~ 5.5	≥ 85	$\phi 20 \times 1.0$	Si

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WBP-5410	5415±5	640	5.1 ~ 5.5	≥85	φ20×1.0	Si
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CWL=Center Wavelength **HW**=Nominal FWHM ±20 (nm)

TWR(μm)=Transmission Wavelength Range

Out of band blocking(from **UV** to **11μm**): Tavg<1%

Catalog No.	T50%-L(nm)	T50%-R (nm)	TWR (μm)	Tavg	Tmin	Size(mm)	Sub
WBP2.6-3.2	2600±50	3200±50	2.63 ~ 3.13	≥93	≥90	φ16×1.0	Ge
	2540±10	3140±10	2.6 ~ 3.06	≥90	≥85	φ16×1.0	

CWL=Center Wavelength **HW**=Nominal FWHM ±20 (nm)

T50%-L= 50%Tpeak on left **T50%-R**= 50%Tpeak on right

TWR(μm)=Transmission Wavelength Range

Out of band blocking(from **UV** to **5μm**): Tavg<3%

Catalog No.	T50%-L(nm)	T50%-R (nm)	TWR (μm)	Tavg	Tmin	Size(mm)	Sub
WBP 3.7-4.9	3490±30	4960±30	3.6 ~ 4.8	≥90	≥85	φ18×0.3	Ge
	3550±30	4960±30	3.62 ~ 4.86	≥85	≥70		
	3600±30	5020±30	3.7 ~ 4.9	≥90	≥80		
	3650±30	5100±30	3.75 ~ 5	≥90	≥85		
	3550±30	4960±30	3.65 ~ 4.86	≥90	≥85	φ25.4×0.5	
	3650±30	5020±30	3.76 ~ 4.9	≥90	≥85		

TWR(μm)=Transmission Wavelength Range

T50%-L= 50%Tpeak on left **T50%-R**= 50%Tpeak on right

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

Catalog No.	T50%-L (nm)	T50%-R (nm)	TWR (μm)	Tavg	Tmin	Size(mm)	Sub
WBP2.6-3.1	2460±10	3200±10	2.5 ~ 3.14	≥90	≥80	φ24×2.5	Ge
WBP3.5-4.6	3380±10	4640±10	3.46 ~ 4.55	≥85	≥80	φ14.4×0.3	

	3430±20	4720±20	3.5 ~ 4.6	≥85	≥75	φ14.4×0.3	
						φ17.5×0.3	
	3430±20	3670±20	3.55 ~ 4.52	≥90	≥85	φ14.4×0.3	
					φ17.5×0.3		
3430±20	3790±20	3.5 ~ 4.7	≥90	≥85	φ17.5×0.3		
WBP3.65-4.95	3650±50	4950±50	3.75 ~ 4.85	≥90	≥85	φ25.4×0.5	
WBP 3.8-4.9	3710±30	5160±30	3.82 ~ 4.95	≥90	≥85	φ25×0.5	Si
	3710±30	5030±30	3.8 ~ 4.9			φ25×0.5	
	3710±30	5030±30	3.82 ~ 4.95	≥90	≥85	φ16×1.0	
	3760±20	5030±30	3.9 ~ 4.9	≥90	≥85	φ25×0.5	

TWR(μm)=Transmission Wavelength Range

T50%-L= 50%Tpeak on left T50%-R= 50%Tpeak on right

Out of band blocking(from UV to 7μm): Tavg<3%

Catalog No.	T50%-L (nm)	T50%-R (nm)	TWR (μm)	Tavg	Tmin	Size(mm)	Sub
WBP 8-14	8350 ±30	13700 ±30	8.65 ~ 13.33	≥80	≥70	φ100×0.5	Si
			8.6 ~ 13.31			φ25×0.5	
			8.61 ~ 13.29			4.5×4.5×0.5	

TWR(μm)=Transmission Wavelength Range

T50%-L= 50%Tpeak on left T50%-R= 50%Tpeak on right

Out of band blocking(from UV to 20μm): Tavg<1.5%