

IR Long Wavepass Filter List

8/12/2009

Catalog No.	5%Cut-on	TWR(μm)	Tavg	Tmin	Size(mm)	Sub
LP-2750	2700 \pm 20	2.8 ~ 3.67	\geq 90	\geq 85	ϕ 10 \times 1.0	Crystal
LP-3000	2940 \pm 20	3.05 ~ 3.97	\geq 85	\geq 75	ϕ 10 \times 1.0	Crystal
LP-3300	3200 \pm 30	3.4 ~ 5.0	\geq 90	\geq 85	ϕ 12.7 \times 1.0	Sapphire
					ϕ 10 \times 0.5	Sapphire
	3320 \pm 10	3.5 ~ 5.35	\geq 92	\geq 85	10.0 \times 8.2 \times 0.3	Ge
LP-3500	3600 \pm 30	3.8 ~ 5.6	\geq 92	\geq 85	ϕ 16 \times 1.0	Ge
	3590 \pm 20	3.7 ~ 5.7	\geq 92	\geq 85	ϕ 24 \times 2.5	Ge
LP-3650	3560 \pm 30	3.72 ~ 5.19	\geq 85	\geq 75	ϕ 15.2 \times 1.6	Sapphire
	3560 \pm 30	3.69 ~ 5.2	\geq 85	\geq 80	ϕ 10 \times 0.5	Sapphire
LP-3710	3820 \pm 20	4.1 ~ 12.5	\geq 75	\geq 70	ϕ 28 \times 1.4	Zns
	3500 \pm 20	3.9 ~ 12	\geq 75	\geq 70	ϕ 28 \times 1.4	Zns
LP-4000	4000 \pm 10	4.29 ~ 5.1	\geq 85	\geq 85	ϕ 11.7 \times 0.5	Ge
	3850 \pm 20	4.1 ~ 5.1	\geq 90	\geq 80	ϕ 8.4 \times 0.5	Ge
			\geq 85	\geq 80		
\geq 82	\geq 75					
LP-5000	5610 \pm 10	5.95 ~ 14	\geq 85	\geq 80	ϕ 100 \times 0.5	Si
LP-5500	5800 \pm 30	6.2 ~ 14	\geq 80	\geq 75	ϕ 100 \times 0.5	Si
					ϕ 25 \times 0.5	
					5 \times 5 \times 0.5	
	5810 \pm 20	6.2 ~ 14	\geq 80	\geq 70	ϕ 100 \times 0.5	
	5830 \pm 30	6.3 ~ 14	\geq 80	\geq 75	ϕ 100 \times 0.5	
\geq 80			\geq 75	5 \times 5 \times 0.5		
LP-5700	5720 \pm 10	6.5 ~ 24	\geq 80	\geq 30	ϕ 25 \times 0.5	Si
	5830 \pm 20	6.5 ~ 24	\geq 80	\geq 25	ϕ 25 \times 0.5	Si
	5930 \pm 20	6.5 ~ 24	\geq 65	\geq 10	ϕ 25 \times 2.0	Si
LP-5900	6080 \pm 10	6.65 ~ 24	\geq 80	\geq 25	ϕ 25 \times 0.5	Si
	6150 \pm 10	6.65 ~ 24	\geq 80	\geq 25	ϕ 25 \times 0.5	Si
LP-6900	6900 \pm 30	7.20 ~ 12.6	\geq 85	\geq 80	10.0 \times 8.2 \times 0.3	Ge
	6950 \pm 20	7.28 ~ 12.6	\geq 85	\geq 80	10.0 \times 8.2 \times 0.3	Ge
	7020 \pm 20	7.37 ~ 12.6	\geq 85	\geq 80	10.0 \times 8.2 \times 0.3	Ge
LP-7100	7080 \pm 10	7.4 ~ 13	\geq 85	\geq 75	ϕ 14.4 \times 0.3	Ge
	7120 \pm 30					Ge

					φ17.5×0.3	Ge
	7180±30	7.48 ~ 10.5	≥90	≥85	φ24×2.5	Ge
					φ15×1.0	Ge
	7150±20	7.45 ~ 13	≥85	≥75	φ24×2.5	Ge
	7190±20	7.5 ~ 13	≥85	≥75	φ24×2.5	Ge
	7190±20	7.55 ~ 13	≥85	≥75	φ24×2.5	Ge
	7190±20	7.65 ~ 13	≥85	≥75	φ24×2.5	Ge
	7190±20	7.5 ~ 13	≥85	≥75	φ24×2.5	Ge
LP-7200	7300±40	7.55 ~ 11	≥90	≥85	φ25.4×0.5	Ge
		7.55 ~ 11	≥90	≥85	φ24×2.5	Ge
		7.67 ~ 11	≥90	≥85	φ24×2.5	Ge
LP-7300	7300±30	7.6 ~ 11	≥85	≥80	φ24×2.5	Ge
	7370±20	7.81 ~ 11	≥90	≥85	φ24×2.5	Ge
	7420±20	7.80 ~ 11	≥90	≥85	φ25.4×0.5	Ge
	7430±30	7.85 ~ 11	≥90	≥85	φ24×2.5	Ge
LP-7500	7260±20	7.7 ~ 13	≥85	≥75	φ16×1.0	Ge
	7250±10	7.7 ~ 11	≥90	≥85	φ25.4×0.5	Ge
LP-7600	7460±30	7.7 ~ 11	≥90	≥85	φ18×0.3	Ge
	7400±20	7.7 ~ 11	≥90	≥85	φ18×0.3	Ge

5%Cut-on=5% Cut-on Wavelength TWR(μm)=Transmission Wavelength Range

Tavg=Avg % Transmission over the Wavelength Range (+/- 5%)