



HOYA FILTERS – U325C

Ultraviolet Transmitting, Visible Absorbing Filter

Catalog Thickness t = 4.5 mm

U-325C

Transmittance (T) & Internal Transmittance (τ) units: (%)																									
λ _{nm}	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400	410	420	430	440
T	0.2	0.2	0.1	3.1	20.8	67.5	76.4	82.5	85.8	87.3	87.3	87.9	87.8	88.0	88.0	87.0	84.6	78.5	64.7	40.7	16.7	4.3	0.9	0.2	0.1
τ																									
λ _{nm}	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660	670	680	690
T	0.1	0.1	0.1																			0.1	1.0	5.9	17.3
τ																									
λ _{nm}	700	710	720	730	740	750	800	850	900	950	1,000	1,100	1,200	1,300	1,400	1,500	1,600	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400
T	31.3	41.5	46.0	45.8	42.9	39.1	24.1	18.9	17.9	19.0	21.0	16.8	6.0	2.6	2.6	2.2	2.5	3.0	3.4	4.5	6.4	8.3	9.6	10.4	12.0
τ																									

Refractive Indices													
Symbol	i	h	g	F'	F	e	d	D	C'	C	r	A'	t
λ _{nm}	365.0	404.7	435.8	480.0	486.1	546.1	587.6	589.3	643.8	656.3	706.5	768.2	1,104.0
n						1.554							

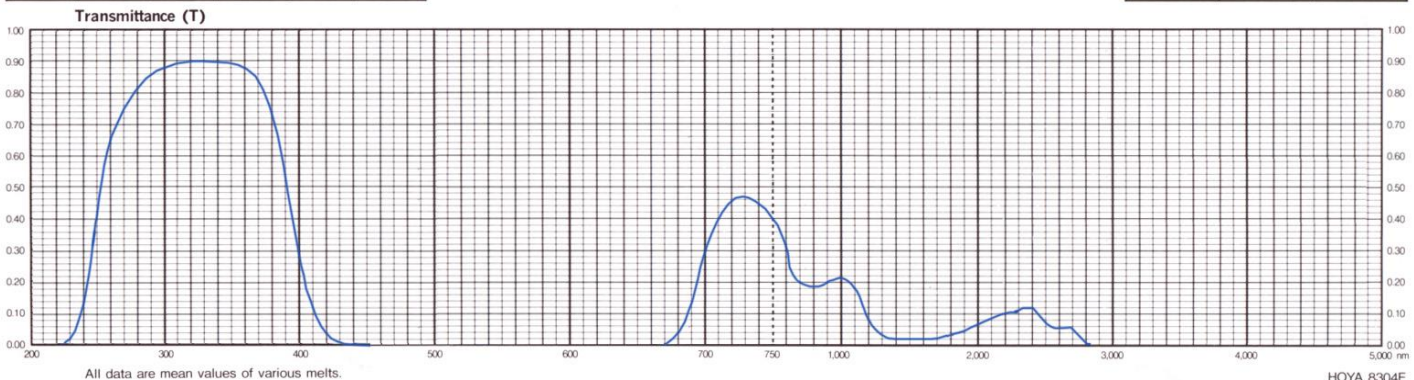
Abbe-Number

$$V_d = \frac{n_d - 1}{n_F - n_C} =$$

Color Specifications					
	x	y	Y	λ _d	P _e
A	0.555	0.299	0.2	-516	58
C	0.324	0.192	0.2	-545	53
D ₆₅	0.319	0.190	0.2	-549	55

Properties								
Chemical		Thermal				Mechanical		Other
D _w	D _A	T _g	T _s	α _{-30/70}	α _{100/300}	H _k	F _A	S
4	3	452	496	93	65	381	221	2.89

Tolerances of Transmittance (T)		
Wavelength for Max. Transmittance	Transmittance at 254 nm	Transmittance at 405 nm
λ _{Tmax} (nm)	T ₂₅₄ (%)	T ₄₀₅ (%)
325±5	>55	<10



WHILE EVERY ATTEMPT HAS BEEN MADE TO VERIFY THE SOURCE OF THE INFORMATION, NO RESPONSIBILITY IS ACCEPTED FOR ACCURACY OF DATA.



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