

## DATA SHEET

## Colour Separating Mirror - Red

Dichroic colour separating mirrors are dielectric interference mirrors that reflect certain regions of the visible spectrum and transmit others with a high degree of efficiency. Dichroic mirrors are designed for incidence angle of 45° and virtually absorption free, highly reflecting and with optimum colour saturation. Filters are mechanically and chemically resistant without fading and aging.

### TECHNICAL DATA

Angles of Incidence: 45°

Substrate Material: Heat resistance Borosilicate Glass

Temperature Stability: up to 300 °C

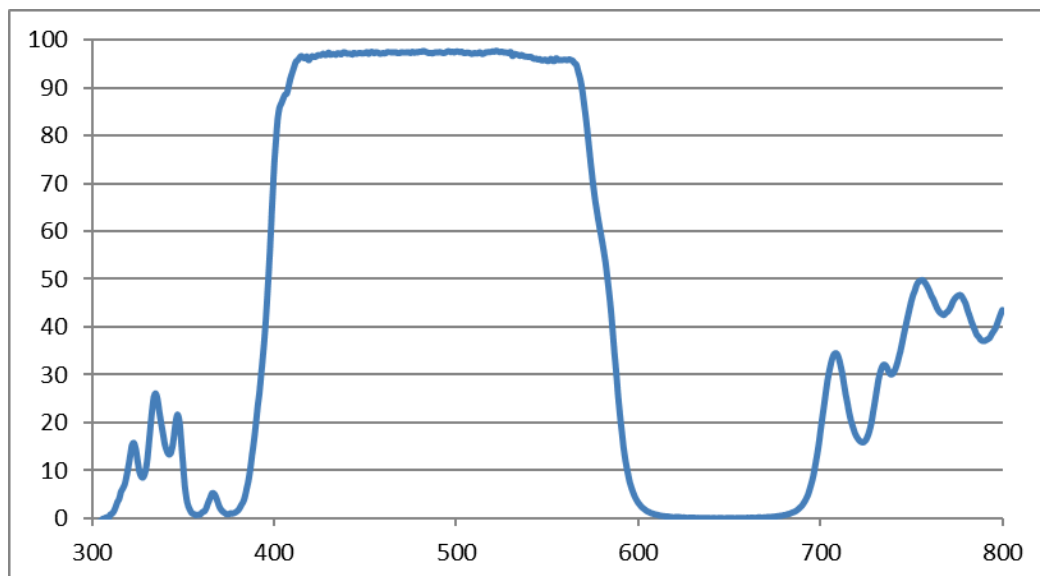
### SPECIFICATION

Tavg>95%[420~560nm]

Tavg<1%[610~680nm]

### BENEFITS

- Sharp spectral separation between reflection & transmission & with high reflection & transmission values
- Very high colour purity
- Ultimate colour saturation
- High brightness
- Accurate & reproducible colours
- High temperature resistance
- Filter characteristics independent of glass thickness
- Robust, easy to clean



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WAVE nm	T%	WAVE nm	T%	WAVE nm	T%	WAVE nm	T%	WAVE nm	T%
300	-1.429	410	93.221	520	97.701	630	0.196	740	30.391
310	0.831	420	96.334	530	97.563	640	0.111	750	45.445
320	10.807	430	97.458	540	96.569	650	0.145	760	47.546
330	11.134	440	97.216	550	95.672	660	0.211	770	43.292
340	15.639	450	97.339	560	95.972	670	0.279	780	44.775
350	11.616	460	97.351	570	87.618	680	0.752	790	37.138
360	1.075	470	97.536	580	58.447	690	2.741	800	43.627
370	2.525	480	97.696	590	21.659	700	17.966		
380	1.641	490	97.457	600	3.344	710	33.741		
390	19.621	500	97.67	610	0.844	720	17.123		
400	73.047	510	97.378	620	0.321	730	24.46		