UV broadband DUG11

Product Information

UV broadband DUG11 filters provide superior blocking in the visible and NIR by combining UG11 filter glass and hard coated dielectric layers.
The DUG filters eliminate the passband at around 700 nm of the UG11 filter glass.

Applications

UV broadband DUG11 filters provide versatile solutions:

- Analytical instrumentation
- Spectroscopy
- Water purification
- Chemical analysis

Advantages

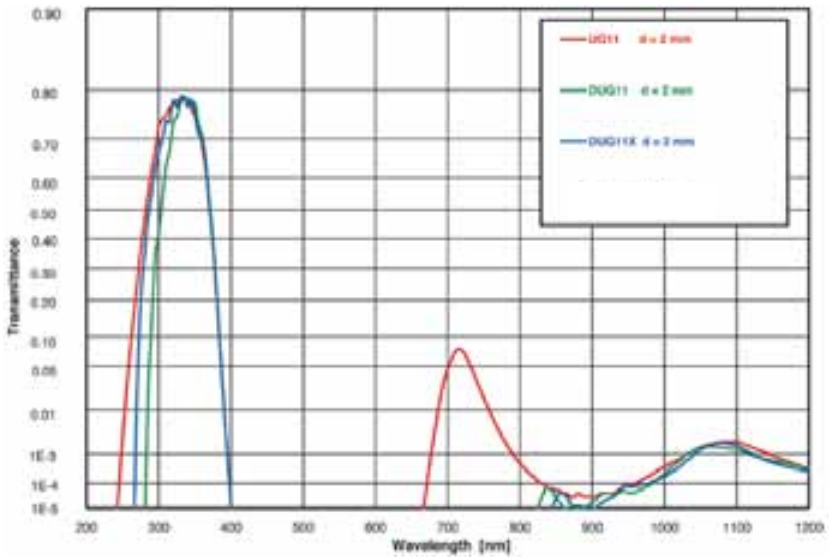
- Excellent blocking range
- High UV stability (solarization resistance)
- Eliminates need for multiple filters

Quality Assurance

Quality control is based on statistical process control as well as on rigorous final inspection. Measurement instruments include a broad range of spectrophotometers, vision systems, beam deflection, etc.

Application Support

Please contact us with your filter specifications. Our experienced application team is trained to find the right solution for your application.



Specifications

	DUG11	DUG11X (upon request)
Thickness	2.0 +/- 0.1 mm	
Center Wavelength	Approx. 340 nm	Approx. 320 nm
Half width	Approx. 70 nm	Approx. 100 nm
Peak Transmission	≥ 70%	
Average Transmission in Blocking Range	≤ 10^{-5} (below 260 nm)	
	≤ 10^{-8} (420 nm – 649 nm)	
	≤ $5x10^{-6}$ (650 nm – 799 nm)	
	≤ $5x10^{-4}$ (800 nm – 999 nm)	
	≤ $5x10^{-3}$ (1000 nm – 1200 nm)	
Humidity Resistance	MIL-Std-810 C	
Coating Abrasion Resistance	MIL-C-675 C	
Coating Adhesion	MIL-M-13508 C	

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