

IRIDIAN

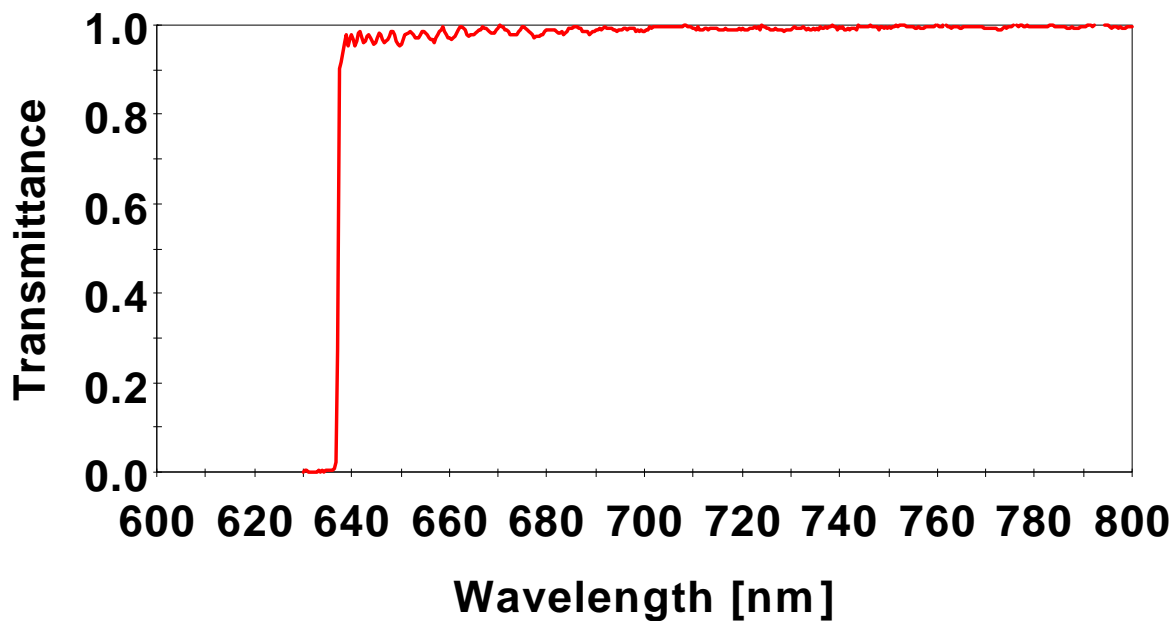
Spectral Technologies

Your Source for Spectral Solutions

New Lower Ripple!

Raman Edge Filter

Full range of wavelengths in visible and NIR



Raman Edge Filter

Laser Line Edge Filter – Low ripple in the pass band meets the demanding specifications of Spectroscopy instruments. Steep, high blocking edge filters eliminate the need for multiple filters for spectral noise reduction. All filters use hard dielectric coatings and do not require cover glass for durability. This greatly improves the transmission levels in all our filters compared to traditional filters.

Optical Specifications

Part #	See Page 3 for list of available wavelengths
Blocking Range (nm)	Optical Density
Laser line Blocking	> 8
Transmission Ranges (nm)	Transmittance
Pass Band	> 90%
Ripple	< +/-2%
Angle of Incidence	0.0° (angle tuning for blue shift available)
Temperature Dependence	< 5 pm / °C

Physical Specifications

Clear Aperture	> 80% of Outer Diameter
Outer Diameter	25.0 + 0.0/-0.1 mm ring mounted
Thickness	3.0 ± 0.1 mm
Surface Quality	60/40 scratch/dig

Reliability

Environmental Testing	MIL-STD-810F
Mechanical Durability	MIL-C-48497A

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PartNumber	FilterName	Laser line [nm]	Laser line [cm ⁻¹]	6OD - 50% [nm]	6OD - 50% [cm ⁻¹]	Passband Start (nm)	Passband End (nm)	Price Qty 1 (USD)
PN-ZX000334	532 LPF Filter	532	18800	2.3	80	538.4	769	\$680.00
PN-ZX000338	632.8 LPF Filter	632.8	15800	2.7	70	640.4	915	\$680.00
PN-ZX000342	676 LPF Filter	676	14800	2.9	60	684.1	977	\$680.00

Other wavelengths and volume pricing available upon request.

All prices in US Dollars

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