

**IRIDIAN**

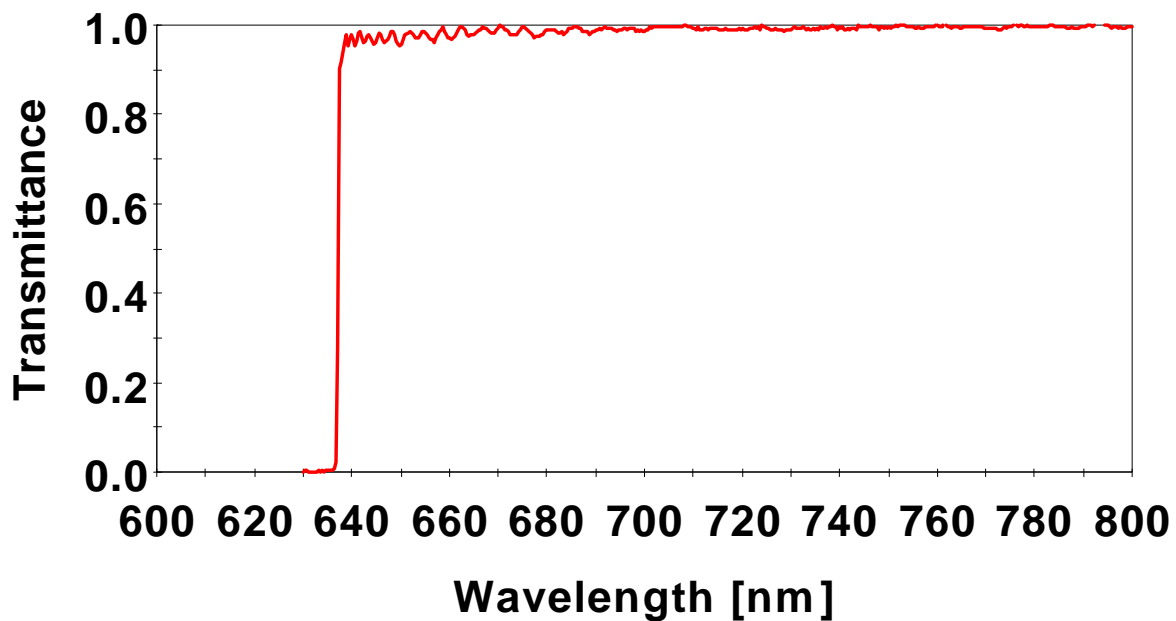
Spectral Technologies

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

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

### Physical Specifications

<b>Clear Aperture</b>	> 80% of Outer Diameter
<b>Outer Diameter</b>	12.5 + 0.0/-0.1 mm ring mounted
<b>Thickness</b>	3.0 ± 0.1 mm
<b>Surface Quality</b>	60/40 scratch/dig

### Reliability

<b>Environmental Testing</b>	MIL-STD-810F
<b>Mechanical Durability</b>	MIL-C-48497A

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PartNumber	FilterName	Laser line [nm]	Laser line [cm <sup>-1</sup> ]	6OD - 50% [nm]	6OD - 50% [cm <sup>-1</sup> ]	Passband Start (nm)	Passband End (nm)	Price QTY 1 USD
PN-ZX000223	532 LPF Filter	532	18800	2.3	80	538.4	769	\$ 420.00
PN-ZX000227	632.8 LPF Filter	632.8	15800	2.7	70	640.4	915	\$ 420.00
PN-ZX000231	676 LPF Filter	676	14800	2.9	60	684.1	977	\$ 420.00

Other wavelengths available upon request.

All prices in US Dollars

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