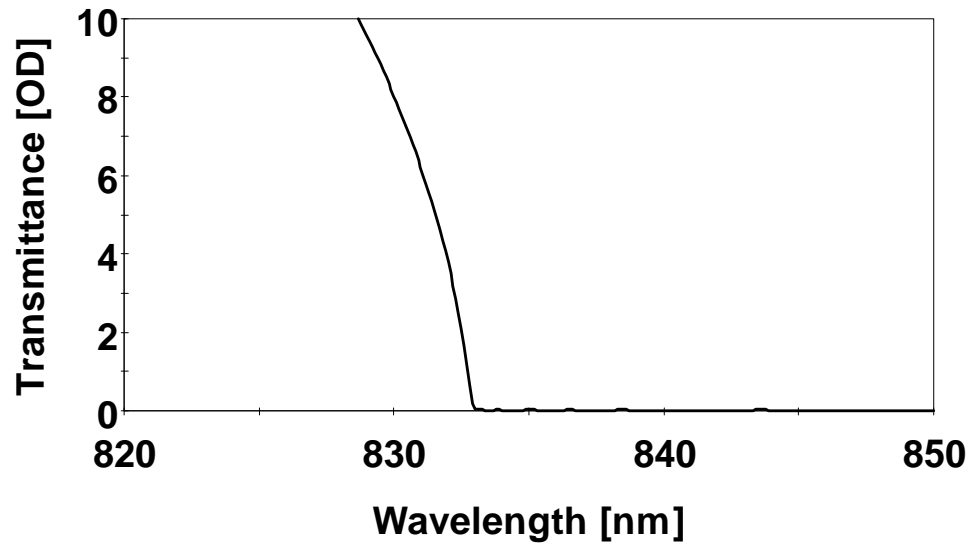
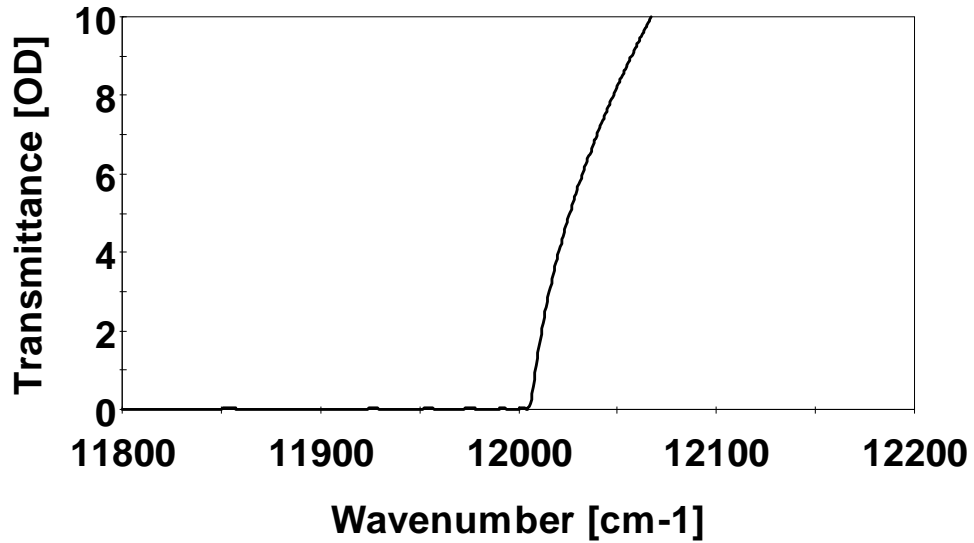


Raman Edge Filters

Full range of wavelengths in visible and NIR available



Raman Edge Filter

Laser Line Edge Filter - 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 | > 80% |
| Angle of Incidence | 0.0° (angle tuning for blue shift available) |
| Temperature Dependence | < 5 pm / °C |

Physical Specifications

| | |
|------------------------|-------------------------------|
| Clear Aperture | > 80% of OD |
| OD | 25 + 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 |

IRIDIAN

Spectral Technologies

Your Source for Spectral Solutions

| 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-ZX000382 | 442 LPF Filter | 442 | 22600 | 1.9 | 100 | 447.3 | 639 | \$ 575.00 |
| PN-ZX000383 | 457 LPF Filter | 457 | 21900 | 2 | 100 | 462.5 | 661 | \$ 575.00 |
| PN-ZX000385 | 476 LPF Filter | 476 | 21000 | 2.1 | 90 | 481.7 | 688 | \$ 575.00 |
| PN-ZX000387 | 488 LPF Filter | 488 | 20500 | 2.1 | 90 | 493.9 | 1200 | \$ 575.00 |
| PN-ZX000390 | 514 LPF Filter | 514.5 | 19400 | 2.2 | 80 | 520.7 | 1200 | \$ 575.00 |
| PN-ZX000392 | 532 LPF Filter | 532 | 18800 | 2.3 | 80 | 538.4 | 1200 | \$ 575.00 |
| PN-ZX000396 | 632.8 LPF Filter | 632.8 | 15800 | 2.7 | 70 | 640.4 | 1200 | \$ 575.00 |
| PN-ZX000398 | 650 LPF Filter | 650 | 15400 | 2.8 | 70 | 657.8 | 1200 | \$ 575.00 |
| PN-ZX000400 | 676 LPF Filter | 676 | 14800 | 2.9 | 60 | 684.1 | 1200 | \$ 575.00 |
| PN-ZX000402 | 752 LPF Filter | 752 | 13300 | 3.3 | 60 | 761.1 | 1200 | \$ 575.00 |
| PN-ZX000403 | 785 LPF Filter | 785 | 12700 | 3.4 | 50 | 794.5 | 1200 | \$ 575.00 |
| PN-ZX000404 | 830 LPF Filter | 830 | 12050 | 3.6 | 50 | 840 | 1200 | \$ 575.00 |
| PN-ZX000405 | 1064 LPF Filter | 1064 | 9400 | 4.6 | 40 | 1076.8 | 1538 | \$ 575.00 |

Other wavelengths and volume pricing available upon request

All prices in US Dollars

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