

RAMAN FILTERS



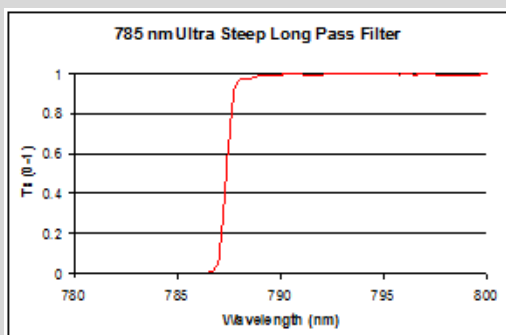
IRIDIAN SPECTRAL TECHNOLOGIES

Iridian Spectral Technologies Iridian Spectral Technologies Ltd offers a range of optical filters for Raman spectroscopic applications. Iridian's hard, dielectric coatings are durable and reliable and offer superior performance including Raman laser line filter, Raman notch filter, Raman edge filter and dichroic filter

Edge Pass Filters:

Iridian's superior edge pass filters provide:

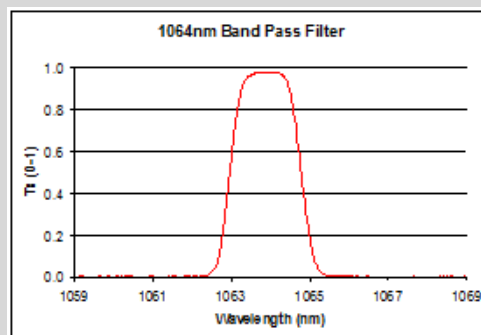
- Steep edges (cut-offs down to 40 cm⁻¹)
- High transmission (> 90%) and high blocking (> OD6)
- Low ripple < 4%



Band Pass Filters:

Iridian's superior band pass filters provide:

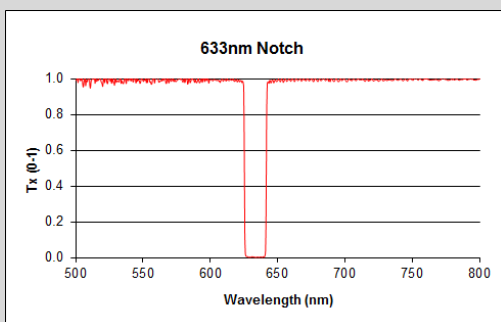
- Steep edges (cut-offs down to 40 cm⁻¹)
- High transmission (> 90%) and high blocking (> OD5)
- Narrow FWHM 2-3 nm



Notch Filters:

Iridian's superior notch filters provide:

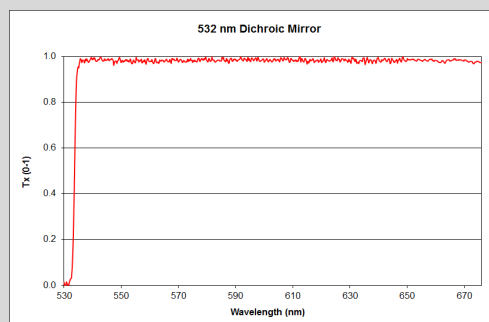
- Steep roll-off
- High transmission (> 90%) and high blocking (> OD6)
- Narrow notch width 10-70 nm FWHM



Dichroic Filters:

Iridian's superior dichroic filters provide:

- Steep edges
- High transmission (> 90%) and high blocking (> OD5)
- Narrow Cut-off 100 cm⁻¹



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THE LEADER IN OPTICAL FILTER SOLUTIONS

Iridian Spectral Technologies Ltd. 2700 Swansea Crescent, Ottawa, ON K1G 6R8
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Iridian Spectral Technologies Ltd (Iridian) is a diversified optical filter manufacturer that is an international leader in filter design and manufacture especially for application in the fields of fiber optic communications, optical spectroscopy, 3D entertainment, and in aerospace. Iridian is a global supplier with distributors in many countries.



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Long Pass Edge Filters:

Laser Line [nm]	Slope: OD 6 - 50% [nm]	Slope: OD 6 - 50% [cm-1]	Pass Band Start [nm]	Pass Band End [nm]	Part Number (12.5 mm)	Part Number (25 mm)
405	2	120	410	1200	ZX000875	ZX000869
442	1.9	100	447.3	1200	ZX000448	ZX000424
457.9	2	100	463.5	1200	ZX000449	ZX000425
476.4	2.1	90	481.7	1200	ZX000451	ZX000427
488	2.1	90	493.3	1200	ZX000453	ZX000429
514.5	2.2	80	520.2	1200	ZX000456	ZX000432
532	2.3	80	538.4	1200	ZX000223	ZX000434
632.8	2.7	70	640.4	1200	ZX000227	ZX000338
650	2.8	70	657.8	1200	ZX000464	ZX000440
676.6	2.9	60	684.1	1200	ZX000231	ZX000442
752.5	3.3	50	761.1	1200	ZX000468	ZX000444
785	3.4	50	794.5	1200	ZX000469	ZX000445
830	3.6	50	840	1200	ZX000471	ZX000446

Ultrasteep Long Pass Edge Filters:

Laser Line [nm]	Cutoff OD 6 - 50% [nm]	Cutoff OD 6 - 50% [cm-1]	Pass Band Start [nm]	Pass Band End [nm]	Part Number (12.5 mm)	Part Number (25 mm)
442	1.4	70	444.8	1200	ZX000605	ZX000534
457.9	1.4	60	459.9	1200	ZX000606	ZX000535
476.4	1.4	60	479.5	1200	ZX000608	ZX000537
488	1.4	60	491.1	1200	ZX000610	ZX000539
514.5	1.6	60	517.8	1200	ZX000613	ZX000542
532	1.7	60	535.4	1200	ZX000615	ZX000544
632.8	2	50	637	1200	ZX000619	ZX000548
638	2.4	50	642	1200	ZX000878	ZX000906
650	2.1	50	654.1	1200	ZX000621	ZX000550
660	2.1	50	664.2	1200	ZX000551	N/A
676.6	2.3	50	680.3	1200	ZX000623	ZX000552
752.5	2.3	40	756.8	1200	ZX000625	ZX000554
785	2.5	40	790	1200	ZX000626	ZX000555
830	3.6	40	840	1200	ZX000627	ZX000556
1064	6.3	55	1071	1700	ZX000834	ZX000833

Nano Long Pass Edge Filters:

Laser Line [nm]	Cutoff OD 6 - 50% [nm]	Cutoff OD 6 - 50% [cm-1]	Pass Band Start [nm]	Pass Band End [nm]	Part Number (12.5 mm)
488	1	41	491	1200	ZX000848
514.5	1.1	39	517	1200	ZX000849
532	1.1	38	535	1200	ZX000850
633	1.3	32	637	1200	ZX000903
785	1.6	26	789	1200	ZX000851



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Long Pass Edge Filters for 7 degree CHA

Laser Line [nm]	Wavelength	Slope: OD 6 - 50% [nm]	Slope: OD 6 - 50% [cm-1]	Pass Band Start [nm]	Pass Band End [nm]	Part Number [10 x 10 x 3 mm]
488	488 nm	2.5	102	491.2	1100.8	ZX000898
532	532 nm	2.6	90	535.4	1200	ZX000897
633	633 nm	3.2	79	636.9	1420	ZX000899
785	785 nm	3.9	63	790.1	1770	ZX000900

Laser Line Filters:

Laser Line [nm]	FWHM [nm]	Transmittance [%]	Blocking range [nm] > OD5	Part Number (12.5mm OD)	Part Number (25mm OD)
405	2.2	> 90	CWL+/-60nm	ZX000874	ZX000861
488	2.2	> 90	CWL+/-60nm	ZX000044	ZX000161
514.5	2.2	> 90	CWL+/-60nm	ZX000042	ZX000162
532	2.2	> 90	CWL+/-60nm	ZX000041	ZX000163
633	2.2	> 90	CWL+/-60nm	ZX000040	ZX000164
638	2.2	> 90	CWL+/-60nm	ZX000879	ZX000812
785	2.2	> 90	CWL+/-60nm	ZX000039	ZX000157
830	2.2	> 90	CWL+/-60nm	ZX000155	ZX000167
1064	2.2	> 90	CWL+/-60nm	ZX000156	ZX000170

Dichroic Filters:

Laser Line [nm]	Transmission [%]	Pass Band Start [nm]	Reflection [%]	Blocking range [OD]	Part Number
488	> 95	491-607	> 95 absolute	487.5-488.5	ZX000857
532	> 95	535-676	> 95 absolute	531.5-532.5	ZX000827
633	> 95	637-848	> 95 absolute	632-634	ZX000858
785	> 95	790-1050	> 95 absolute	784-786	ZX000825

Nano Notch Filters:

Notch Wavelength [nm]	50% Width [nm]	Transmittance [%]	Blocking range [OD]	Part Number (12.5 mm)	Part Number (25 mm)
442	10	> 90	6	ZX000510	ZX000409
457	10	> 90	6	ZX000511	ZX000410
476	10	> 90	6	ZX000512	ZX000411
488	10	> 90	6	ZX000513	ZX000412
514.5	12	> 90	6	ZX000514	ZX000413
532	12	> 90	6	ZX000515	ZX000414
632.8	16	> 90	6	ZX000516	ZX000415
650	17	> 90	6	ZX000517	ZX000416
676	17	> 90	6	ZX000518	ZX000417
752	19	> 90	6	ZX000519	ZX000418
785	20	> 90	6	ZX000520	ZX000419
830	21	> 90	6	ZX000521	ZX000420
1064	36	> 90	6	ZX000522	ZX000421



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