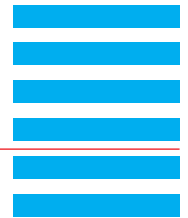


# Raman Notch Filters

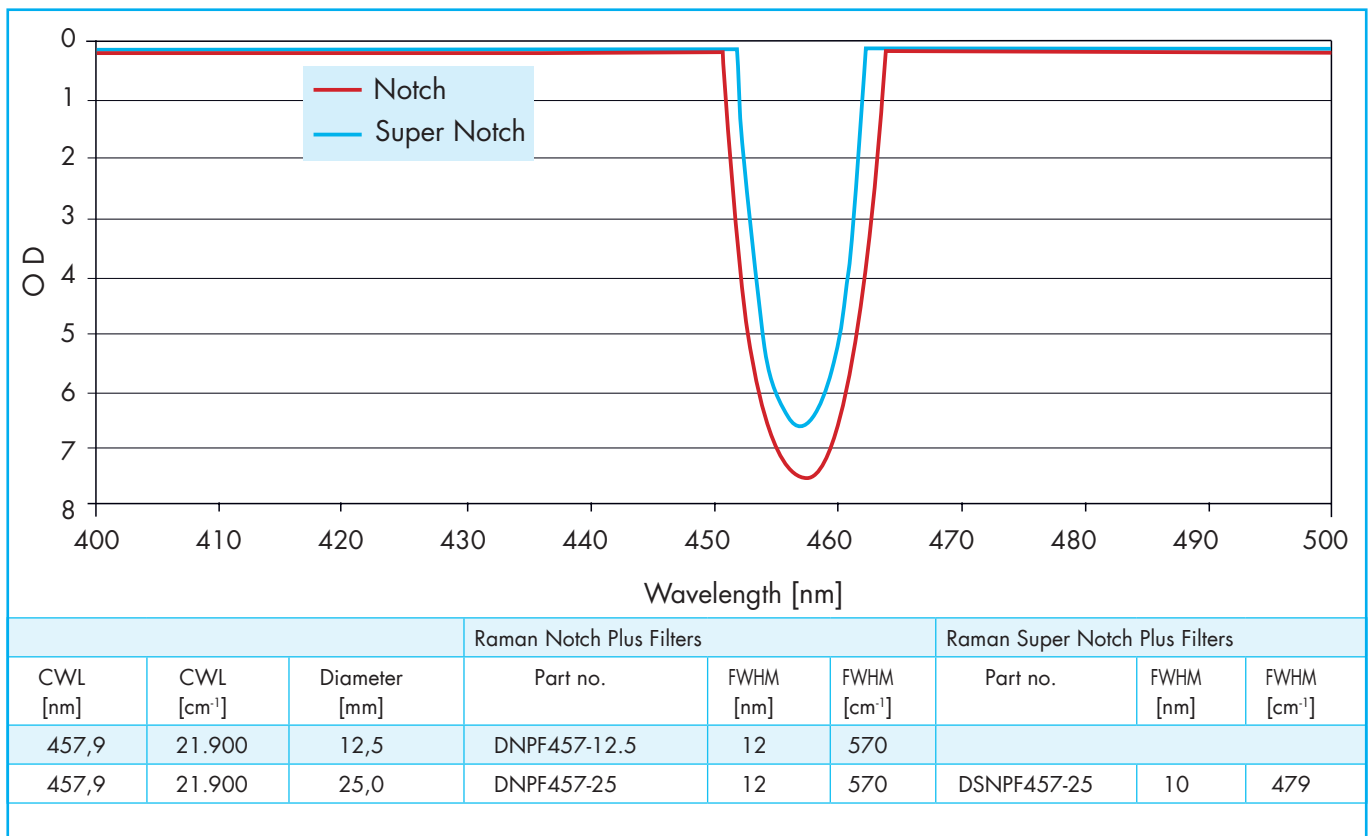
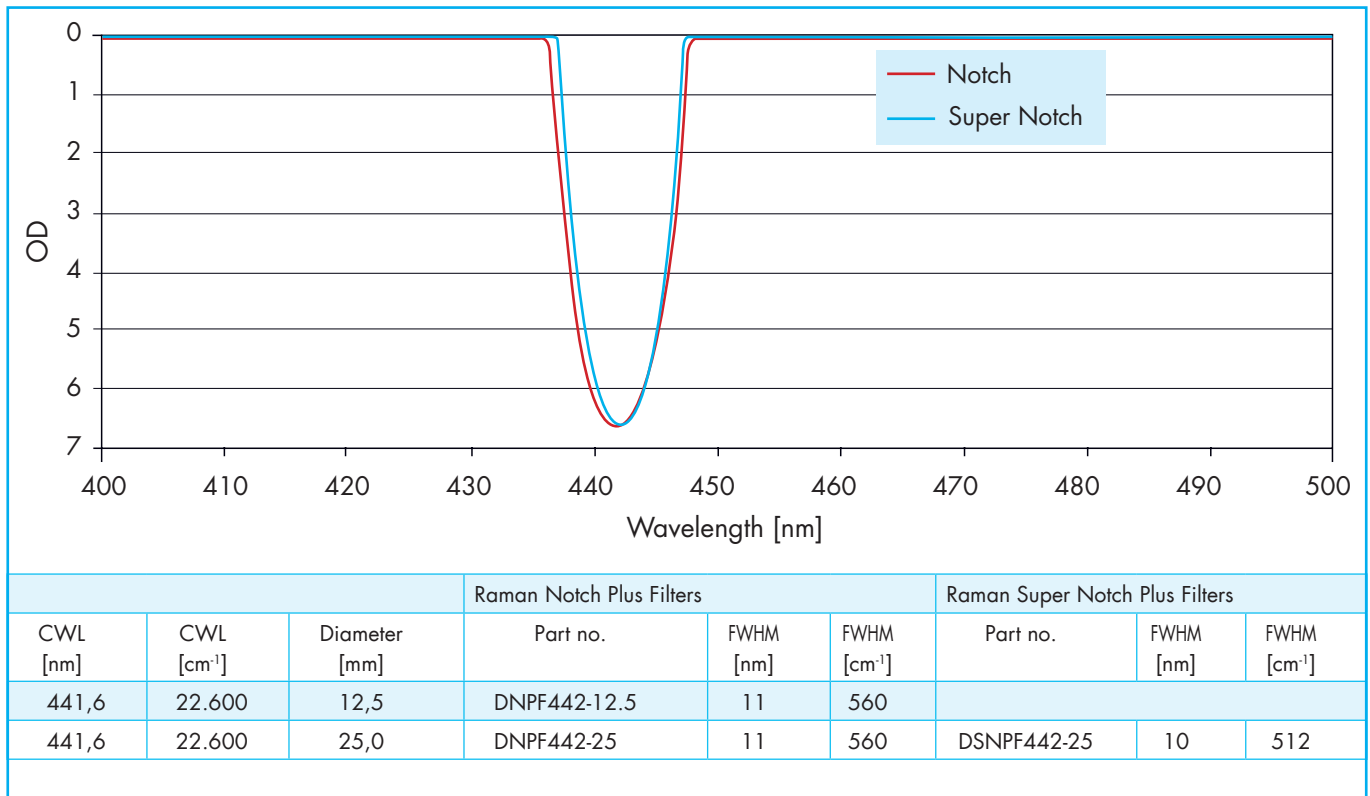


All filters described in this catalogue eliminate the need for multiple filters for spectral noise reduction. All use hard dielectric coatings and do not require cover glass for durability. This greatly improves the transmission levels in all our filters compared to traditional ones.

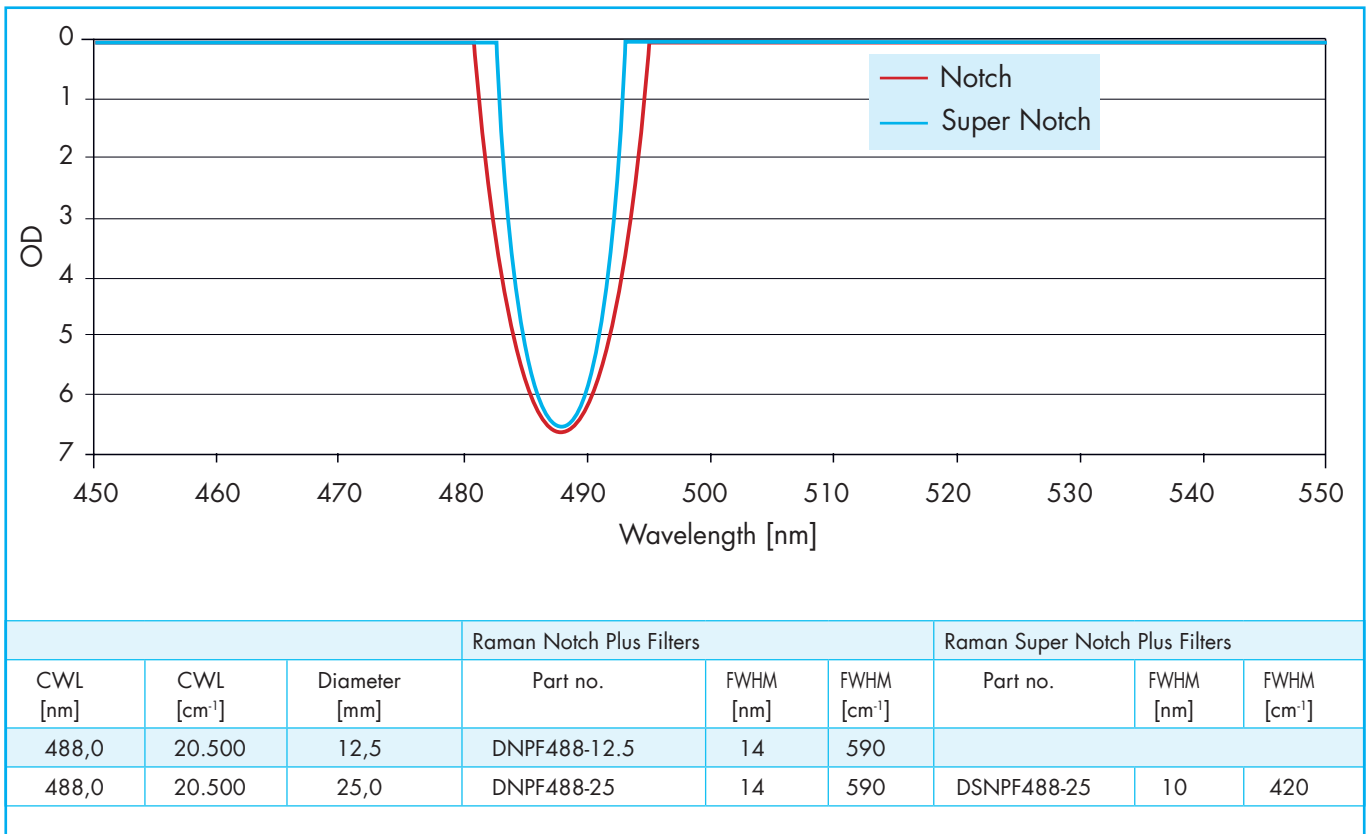
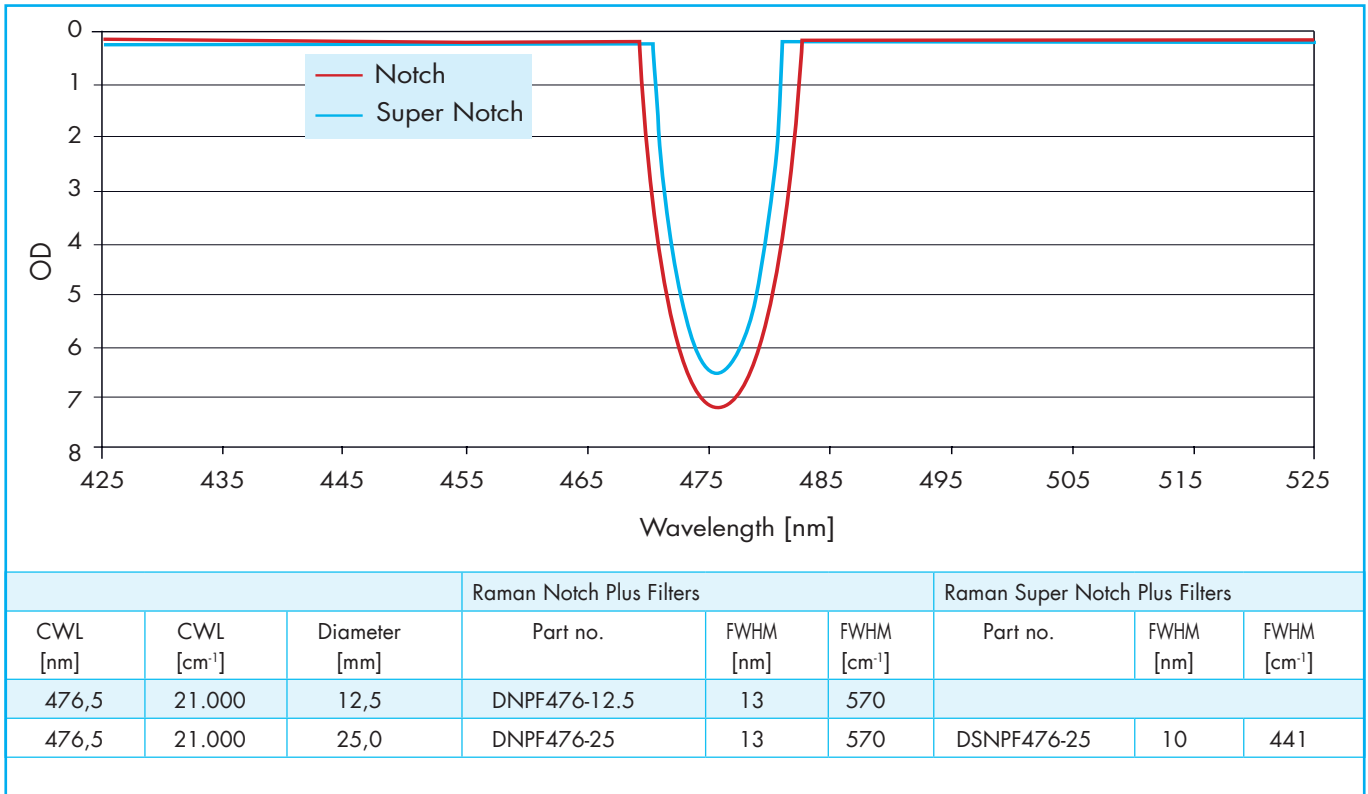
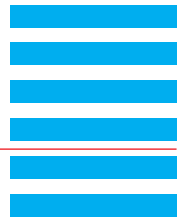
| Specifications                |   |
|-------------------------------|---|
| Blocking                      | > OD 6,0                                |
| Transmission                  | Average > 90%                           |
| Notch Width                   | 3 – 10% (see table)                     |
| Pass Band Transmission Ripple | Average < 5%                            |
| Angle of Incidence            | 0° (angle tuning available)             |
| Temperature Dependence        | < 5 pm / °C                             |
| Clear Aperture                | > 80% of Outer Diameter                 |
| Outer Diameter                | 25 +0,0/-0,1 mm ring mounted or 12,5 mm |
| Thickness                     | 3,0 ± 0,1 mm                            |
| Surface Quality               | 60/40 S/D                               |

|          |                         |               | Raman Notch Plus Filters |           |                          | Raman Super Notch Plus Filters |           |                          |
|----------|-------------------------|---------------|--------------------------|-----------|--------------------------|--------------------------------|-----------|--------------------------|
| CWL [nm] | CWL [cm <sup>-1</sup> ] | Diameter [mm] | Part no.                 | FWHM [nm] | FWHM [cm <sup>-1</sup> ] | Part no.                       | FWHM [nm] | FWHM [cm <sup>-1</sup> ] |
| 441,6    | 22.600                  | 12,5          | DNPF442-12.5             | 11        | 560                      |                                |           |                          |
| 441,6    | 22.600                  | 25,0          | DNPF442-25               | 11        | 560                      | DSNPF442-25                    | 10        | 512                      |
| 457,9    | 21.900                  | 12,5          | DNPF457-12.5             | 12        | 570                      |                                |           |                          |
| 457,9    | 21.900                  | 25,0          | DNPF457-25               | 12        | 570                      | DSNPF457-25                    | 10        | 479                      |
| 476,5    | 21.000                  | 12,5          | DNPF476-12.5             | 13        | 570                      |                                |           |                          |
| 476,5    | 21.000                  | 25,0          | DNPF476-25               | 13        | 570                      | DSNPF476-25                    | 10        | 441                      |
| 488,0    | 20.500                  | 12,5          | DNPF488-12.5             | 14        | 590                      |                                |           |                          |
| 488,0    | 20.500                  | 25,0          | DNPF488-25               | 14        | 590                      | DSNPF488-25                    | 10        | 420                      |
| 514,5    | 19.500                  | 12,5          | DNPF514-12.5             | 16        | 610                      |                                |           |                          |
| 514,5    | 19.500                  | 25,0          | DNPF514-25               | 16        | 610                      | DSNPF514-25                    | 12        | 453                      |
| 532,0    | 18.800                  | 12,5          | DNPF532-12.5             | 17        | 600                      |                                |           |                          |
| 532,0    | 18.800                  | 25,0          | DNPF532-25               | 17        | 600                      | DSNPF532-25                    | 12        | 424                      |
| 632,8    | 15.800                  | 12,5          | DNPF633-12.5             | 25        | 620                      |                                |           |                          |
| 632,8    | 15.800                  | 25,0          | DNPF633-25               | 25        | 620                      | DSNPF633-25                    | 16        | 400                      |
| 647,1    | 15.400                  | 12,5          | DNPF650-12.5             | 26        | 620                      |                                |           |                          |
| 647,1    | 15.400                  | 25,0          | DNPF650-25               | 26        | 620                      | DSNPF650-25                    | 17        | 402                      |
| 676,0    | 14.800                  | 12,5          | DNPF676-12.5             | 29        | 630                      |                                |           |                          |
| 676,0    | 14.800                  | 25,0          | DNPF676-25               | 29        | 630                      | DSNPF676-25                    | 17        | 372                      |
| 752,5    | 13.300                  | 12,5          | DNPF752-12.5             | 36        | 640                      |                                |           |                          |
| 752,5    | 13.300                  | 25,0          | DNPF752-25               | 36        | 640                      | DSNPF752-25                    | 19        | 336                      |
| 785,0    | 12.700                  | 12,5          | DNPF785-12.5             | 39        | 630                      |                                |           |                          |
| 785,0    | 12.700                  | 25,0          | DNPF785-25               | 39        | 630                      | DSNPF785-25                    | 20        | 325                      |
| 830,0    | 12.050                  | 12,5          | DNPF830-12.5             | 44        | 640                      |                                |           |                          |
| 830,0    | 12.050                  | 25,0          | DNPF830-25               | 44        | 640                      | DSNPF830-25                    | 21        | 305                      |
| 1064,0   | 9.400                   | 12,5          | DNPF064-12.5             | 71        | 630                      |                                |           |                          |
| 1064,0   | 9.400                   | 25,0          | DNPF064-25               | 71        | 630                      | DSNPF064-25                    | 36        | 318                      |

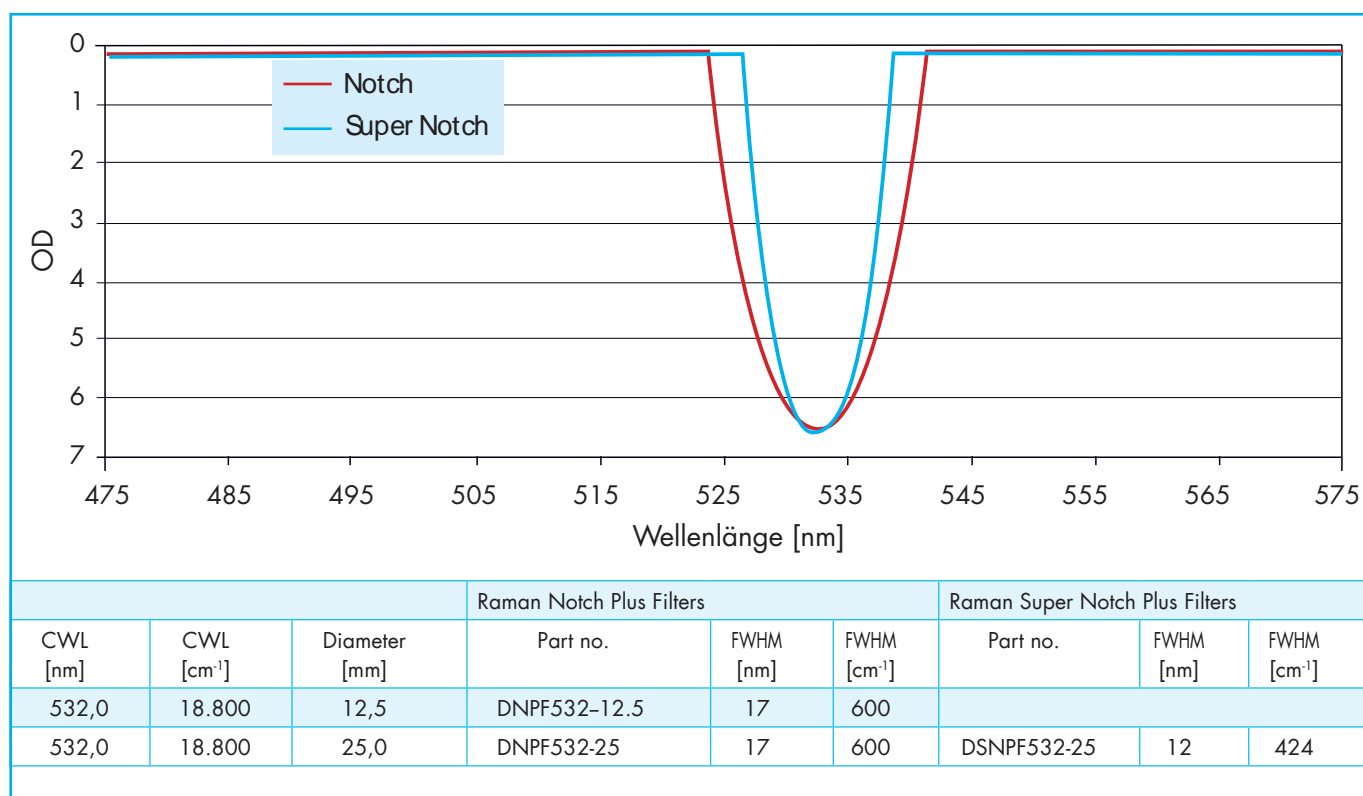
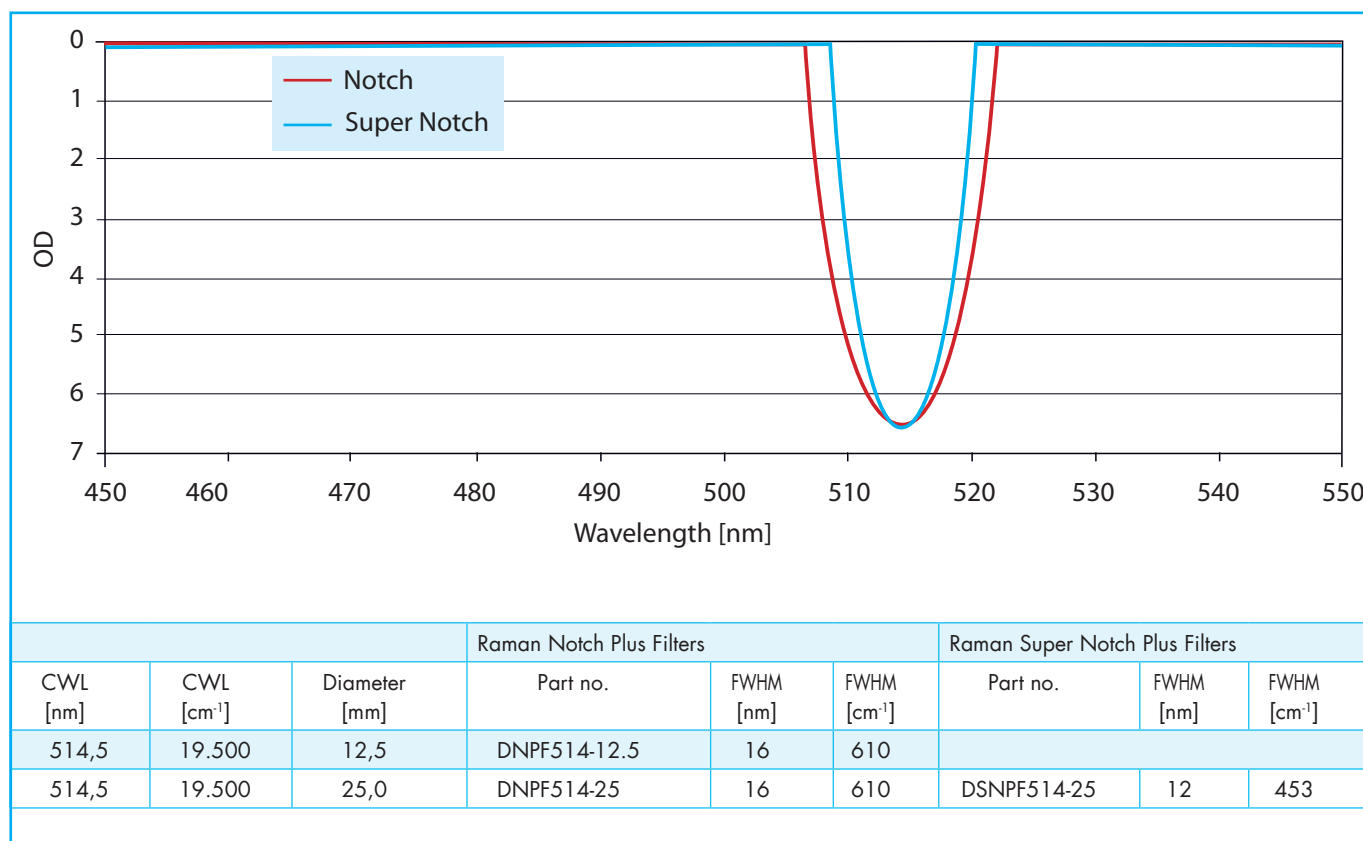
# Raman Notch Filters



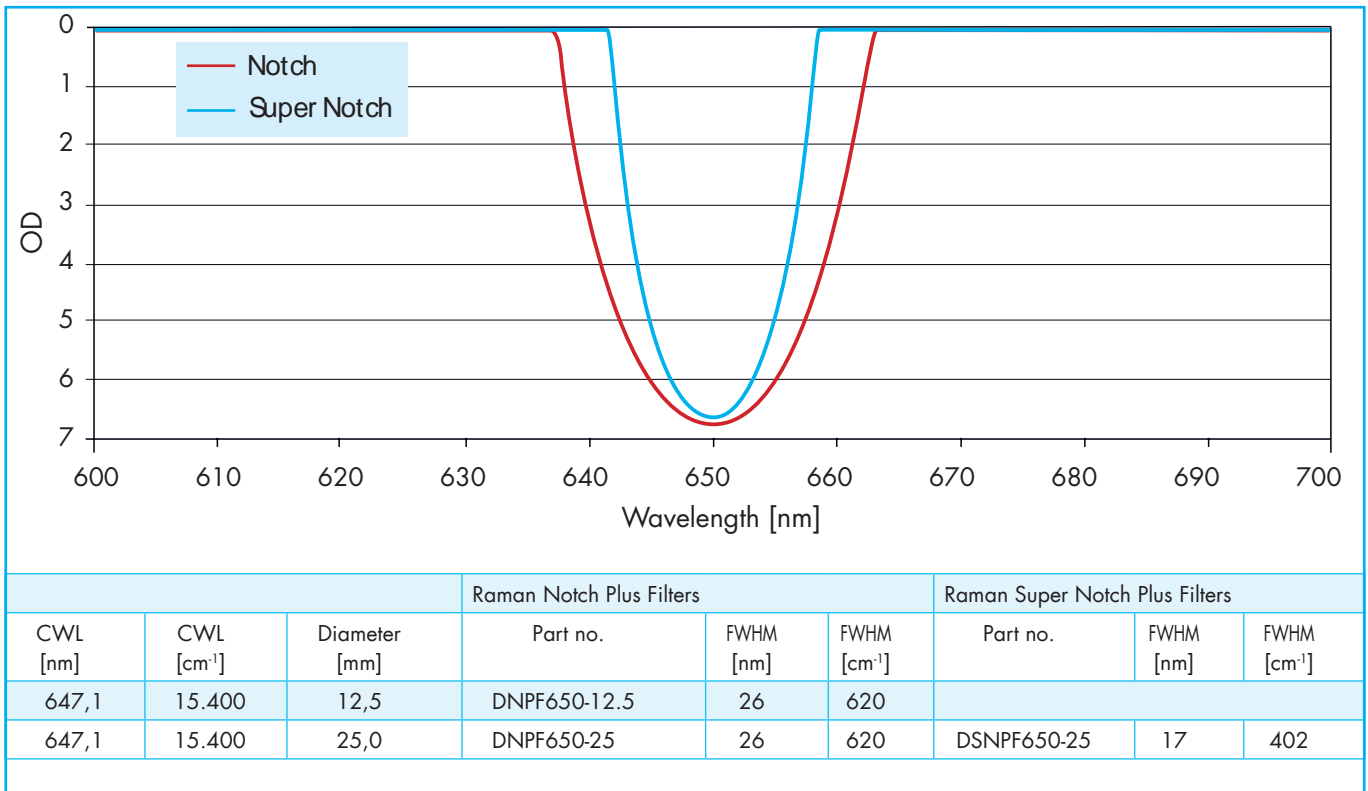
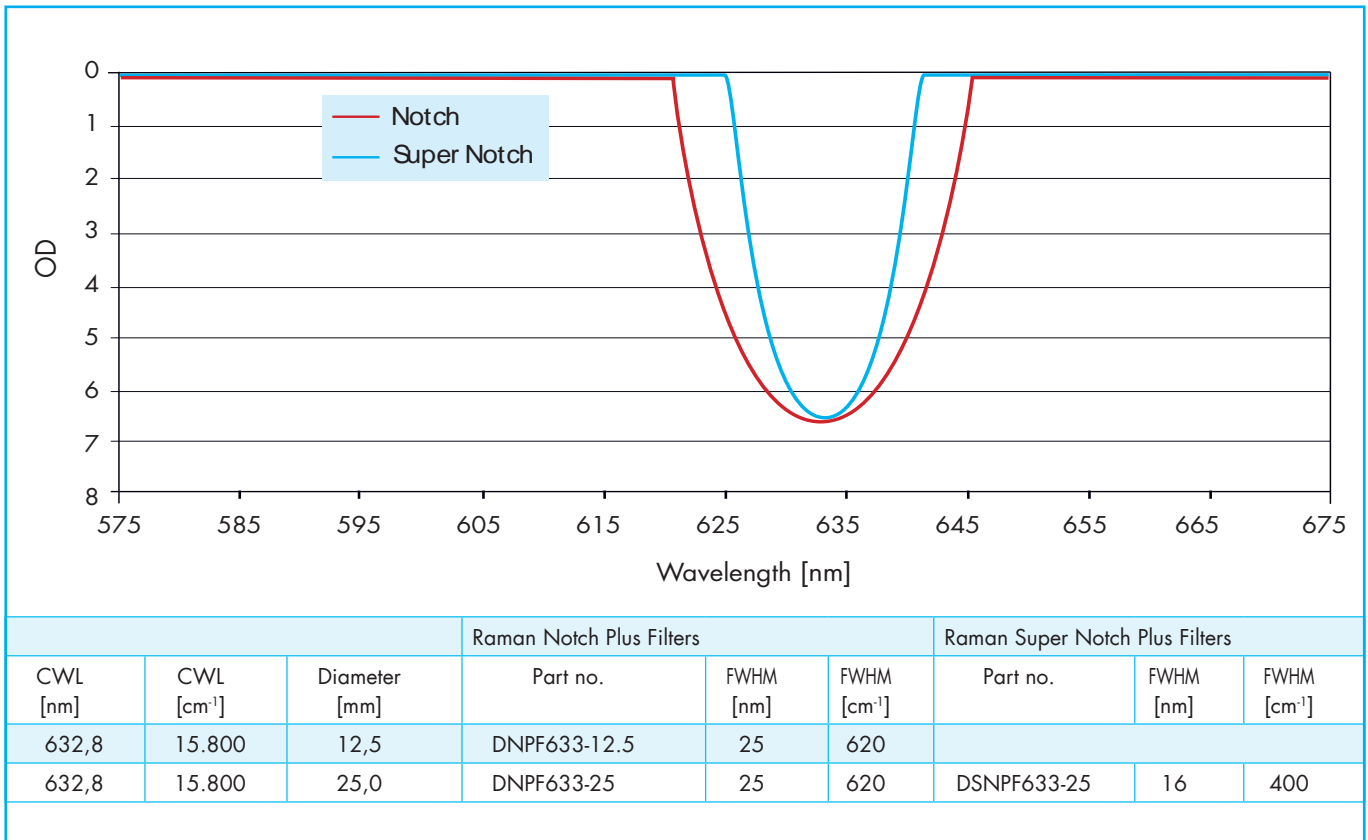
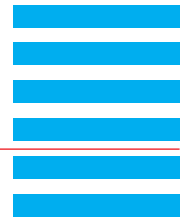
# Raman Notch Filters



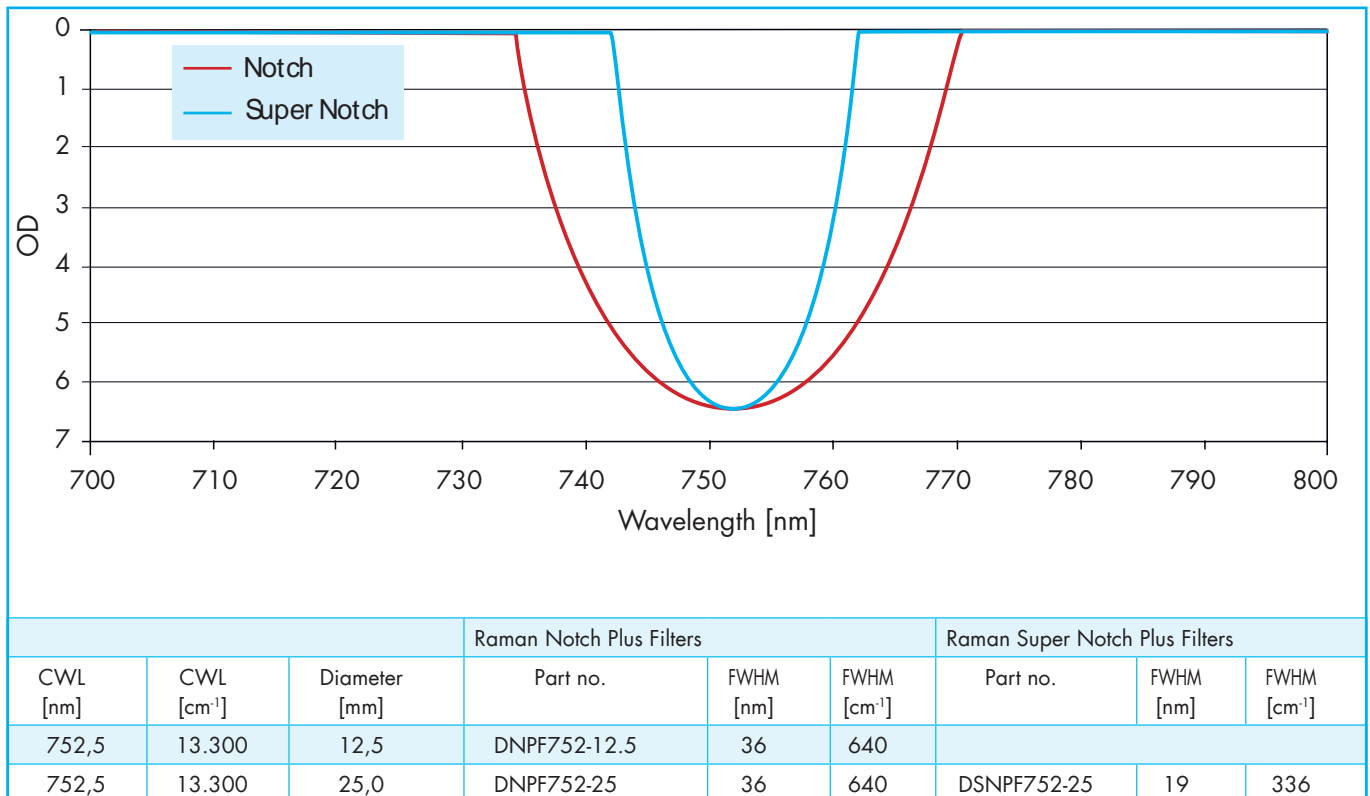
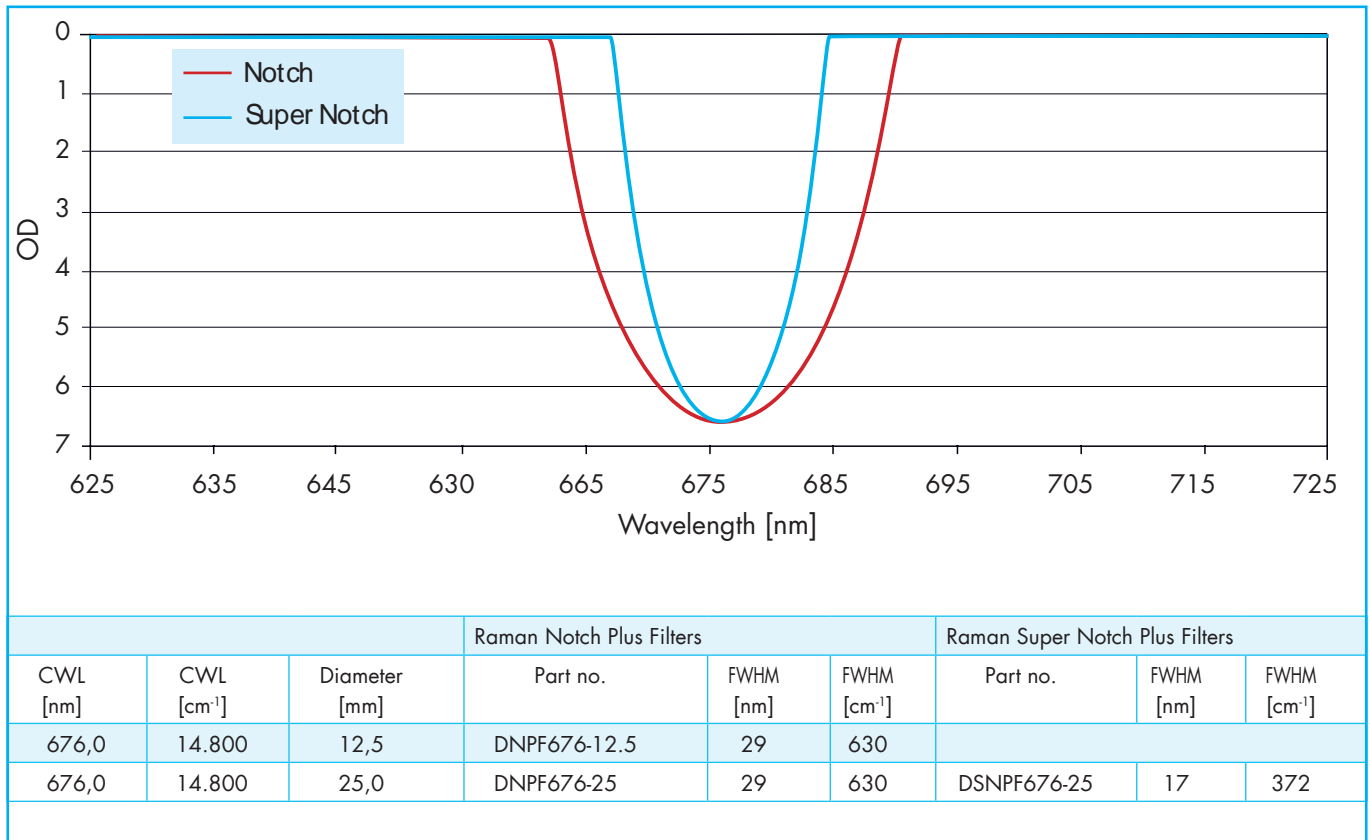
# Raman Notch Filters



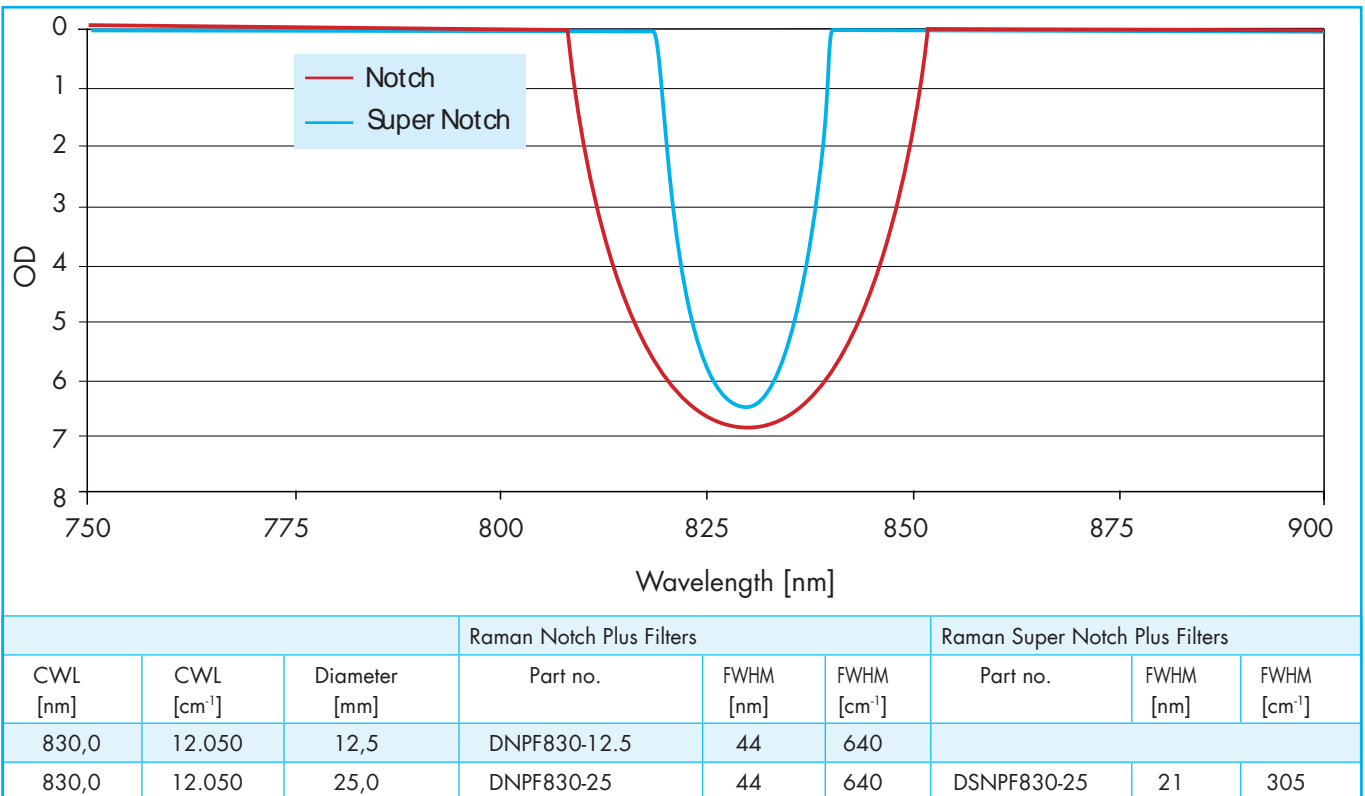
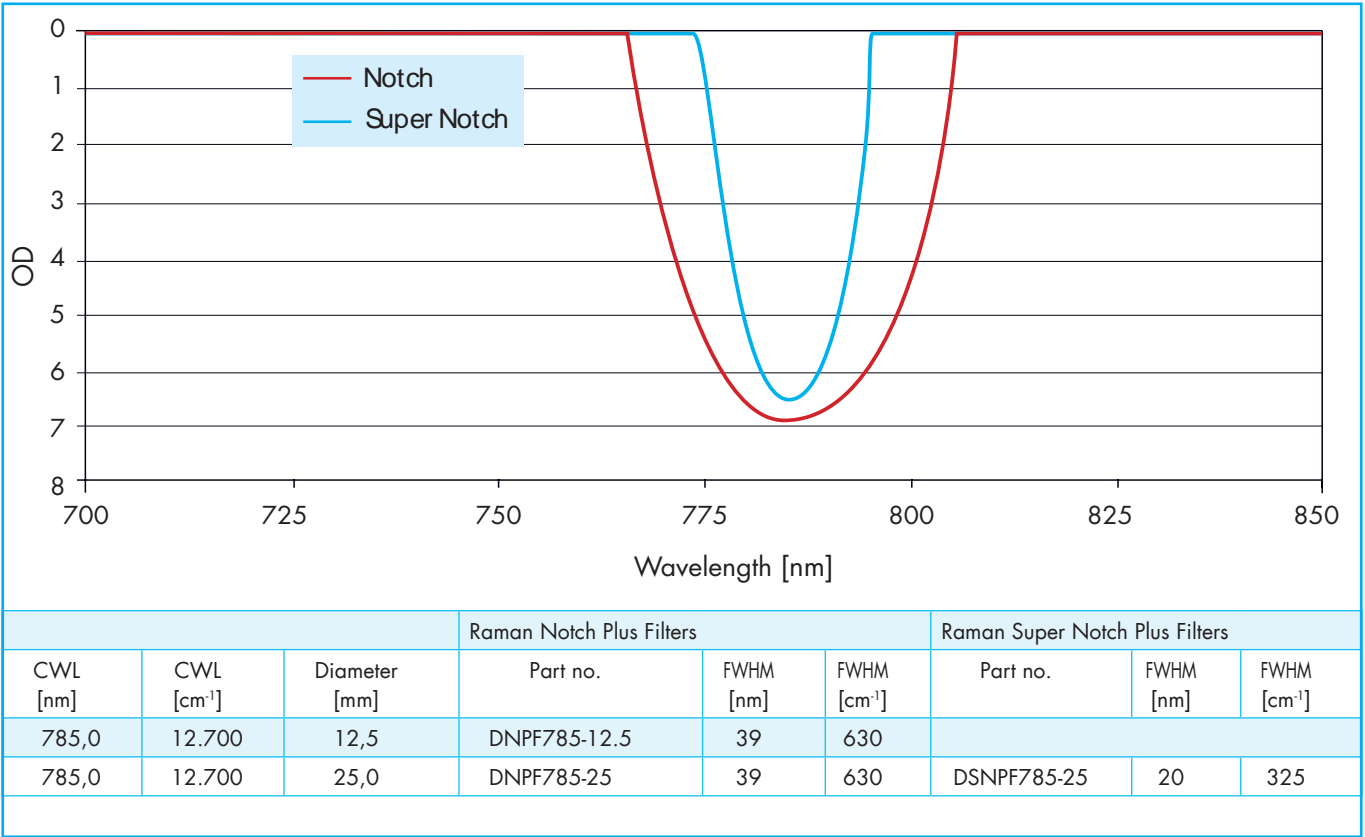
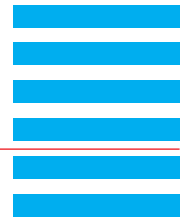
# Raman Notch Filters



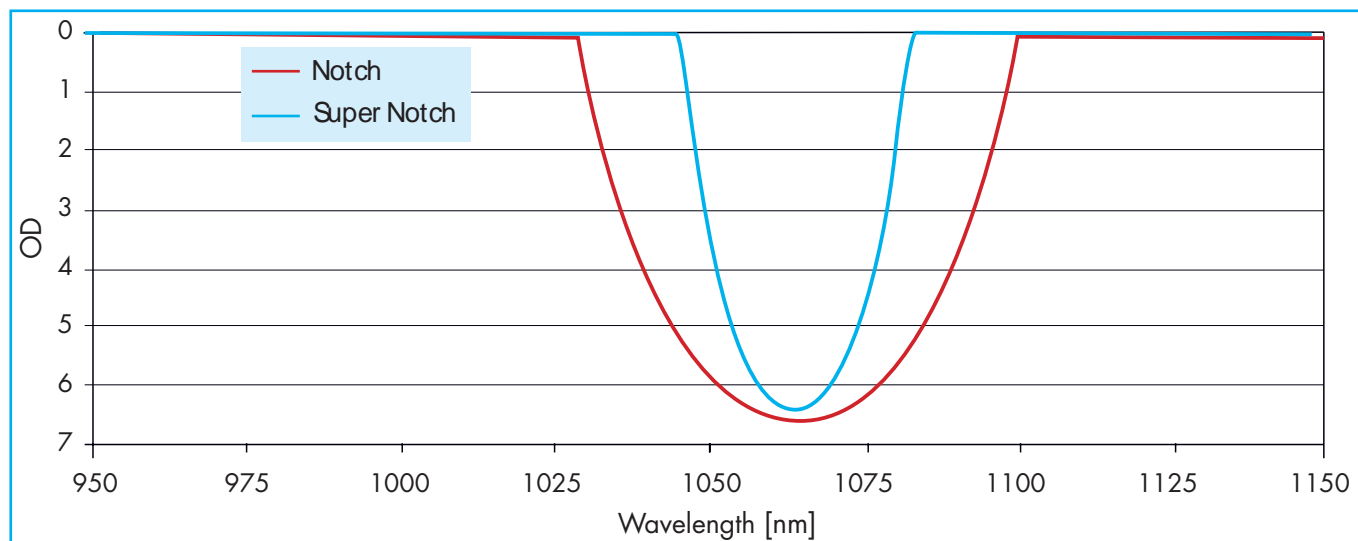
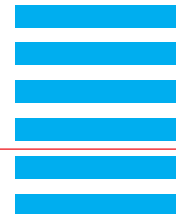
# Raman Notch Filters



# Raman Notch Filters



# Raman Notch Filters



|          |                         |               | Raman Notch Plus Filters |           |                          | Raman Super Notch Plus Filters |           |                          |
|----------|-------------------------|---------------|--------------------------|-----------|--------------------------|--------------------------------|-----------|--------------------------|
| CWL [nm] | CWL [cm <sup>-1</sup> ] | Diameter [mm] | Part no.                 | FWHM [nm] | FWHM [cm <sup>-1</sup> ] | Part no.                       | FWHM [nm] | FWHM [cm <sup>-1</sup> ] |
| 1064,0   | 9.400                   | 12,5          | DNPF064-12.5             | 71        | 630                      |                                |           |                          |
| 1064,0   | 9.400                   | 25,0          | DNPF064-25               | 71        | 630                      | DSNPF064-25                    | 36        | 318                      |