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TECHSPEC®

# Raman Longpass Edge Filters



- High Transmission for Detecting Weak Signals
- Deep Blocking for Maximum Laser Rejection
- Ideal for Raman Spectroscopy or Life Science Instrumentation

## Common Specifications

| Physical & Mechanical Properties   |  |                                                       |  |
|------------------------------------|--|-------------------------------------------------------|--|
| Thickness Tolerance (mm):          |  | ±0.1                                                  |  |
| Clear Aperture (%):                |  | >80                                                   |  |
| Optical Properties                 |  |                                                       |  |
| Angle of Incidence (°):            |  | 0 ±2                                                  |  |
| Optical Density OD (Average):      |  | ≥6.0                                                  |  |
| Substrate:                         |  | <a href="#">Fused Silica</a> (Corning 7980)           |  |
| Coating:                           |  | Hard Coated                                           |  |
| Surface Quality:                   |  | 60-40                                                 |  |
| Transmitted Wavefront, RMS:        |  | <λ/4 @ 633nm                                          |  |
| Threading & Mounting               |  |                                                       |  |
| Mount Thickness (mm):              |  | 3.5                                                   |  |
| Environmental & Durability Factors |  |                                                       |  |
| Durability:                        |  | Environmental: MIL-STD-810F<br>Physical: MIL-C-48497A |  |

**Technical Information**

Products

| Dia.<br>(mm) | Cut-On<br>Wavelength<br>(nm) | Laser<br>Blocking<br>Wavelength<br>(nm) | Transition<br>Width<br>(nm) | Rejection<br>Wavelength<br>(nm) | Wavelength<br>Range (nm) | Stock<br>Number         | Price                      | Buy        |
|--------------|------------------------------|-----------------------------------------|-----------------------------|---------------------------------|--------------------------|-------------------------|----------------------------|------------|
| 12.50        | 328.30                       | 325.00                                  | <3.3                        | 200 - 325                       | 200 - 733                | <a href="#">#86-217</a> | ₹40,482<br>Qty 10+ ₹33,709 | Contact Us |
| 12.50        | 358.60                       | 355.00                                  | <3.6                        | -                               | 355 - 800                | <a href="#">#86-218</a> | ₹40,482<br>Qty 10+ ₹33,709 | Contact Us |
| 12.50        | 477.70                       | 473.00                                  | <4.7                        | 383 - 473                       | 383 - 1067               | <a href="#">#86-222</a> | ₹40,482<br>Qty 10+ ₹33,709 | Contact Us |
| 12.50        | 492.90                       | 488.00                                  | <4.9                        | 394 - 488                       | 394 - 1101               | <a href="#">#86-223</a> | ₹40,482<br>Qty 10+ ₹33,709 | Contact Us |
| 12.50        | 519.60                       | 514.5                                   | <5.1                        | 416 - 514.5                     | 416 - 1161               | <a href="#">#86-224</a> | ₹40,482<br>Qty 10+ ₹33,709 | Contact Us |
| 12.50        | 537.30                       | 532.00                                  | <5.3                        | 430 - 532                       | 430 - 1200               | <a href="#">#86-225</a> | ₹40,482<br>Qty 10+ ₹33,709 | Contact Us |
| 12.50        | 639.10                       | 632.8                                   | <6.3                        | 513 - 632.8                     | 513 - 1427               | <a href="#">#86-226</a> | ₹40,482<br>Qty 10+ ₹33,709 | Contact Us |
| 12.50        | 792.80                       | 785.00                                  | <7.8                        | -                               | 785 - 1500               | <a href="#">#86-228</a> | ₹40,482<br>Qty 10+ ₹33,709 | Contact Us |
| 12.50        | 989.80                       | 980.00                                  | <9.8                        | 770 - 980                       | 770 - 2000               | <a href="#">#86-231</a> | ₹40,482<br>Qty 10+ ₹33,709 | Contact Us |
| 12.50        | 1,074.60                     | 1064.00                                 | <10.6                       | 831 - 1064                      | 831 - 1064               | <a href="#">#86-232</a> | ₹40,482<br>Qty 10+ ₹33,709 | Contact Us |
| 25.00        | 328.30                       | 325.00                                  | <3.3                        | 200 - 325                       | 200 - 733                | <a href="#">#86-234</a> | ₹56,831<br>Qty 10+ ₹47,333 | Contact Us |
| 25.00        | 358.60                       | 355.00                                  | <3.6                        | -                               | 355 - 800                | <a href="#">#86-235</a> | ₹56,831<br>Qty 10+ ₹47,333 | Contact Us |
| 25.00        | 477.70                       | 473.00                                  | <4.7                        | 383 - 473                       | 383 - 1067               | <a href="#">#86-239</a> | ₹56,831<br>Qty 10+ ₹47,333 | Contact Us |
| 25.00        | 492.90                       | 488.00                                  | <4.9                        | 394 - 488                       | 394 - 1101               | <a href="#">#86-240</a> | ₹56,831<br>Qty 10+ ₹47,333 | Contact Us |
| 25.00        | 519.60                       | 514.5                                   | <5.1                        | 416 - 514.5                     | 416 - 1161               | <a href="#">#86-241</a> | ₹56,831<br>Qty 10+ ₹47,333 | Contact Us |
| 25.00        | 537.30                       | 532.00                                  | 5.3                         | 430 - 532                       | 430 - 1200               | <a href="#">#86-242</a> | ₹56,831<br>Qty 10+ ₹47,333 | Contact Us |
| 25.00        | 792.80                       | 785.00                                  | <7.8                        | -                               | 785 - 1500               | <a href="#">#86-245</a> | ₹56,831<br>Qty 10+ ₹47,333 | Contact Us |
| 25.00        | 1,074.60                     | 1064.00                                 | <10.6                       | 831 - 1064                      | 831 - 1064               | <a href="#">#86-249</a> | ₹56,831<br>Qty 10+ ₹47,333 | Contact Us |

|       |          |         |       |             |            |                         |                                |            |
|-------|----------|---------|-------|-------------|------------|-------------------------|--------------------------------|------------|
| 50.00 | 328.30   | 325.00  | <3.3  | 200 - 325   | 200 - 733  | <a href="#">#86-251</a> | ₹1,63,174<br>Qty 10+ ₹1,35,926 | Contact Us |
| 50.00 | 358.60   | 355.00  | <3.6  | -           | 355 - 800  | <a href="#">#86-252</a> | ₹1,63,174<br>Qty 10+ ₹1,35,926 | Contact Us |
| 50.00 | 477.70   | 473.00  | <4.7  | 383 - 473   | 383 - 1067 | <a href="#">#86-256</a> | ₹1,63,174<br>Qty 10+ ₹1,35,926 | Contact Us |
| 50.00 | 519.60   | 514.5   | <5.1  | 416 - 514.5 | 416 - 1161 | <a href="#">#86-258</a> | ₹1,63,174<br>Qty 10+ ₹1,35,926 | Contact Us |
| 50.00 | 537.30   | 532.00  | <5.3  | 430 - 532   | 430 - 1200 | <a href="#">#86-259</a> | ₹1,63,174<br>Qty 10+ ₹1,35,926 | Contact Us |
| 50.00 | 639.10   | 632.8   | <6.3  | 513 - 632.8 | 513 - 1427 | <a href="#">#86-260</a> | ₹1,63,174<br>Qty 10+ ₹1,35,926 | Contact Us |
| 50.00 | 792.80   | 785.00  | <7.8  | -           | 785 - 1500 | <a href="#">#86-262</a> | ₹1,63,174<br>Qty 10+ ₹1,35,926 | Contact Us |
| 50.00 | 989.80   | 980.00  | <9.8  | 770 - 980   | 770 - 2000 | <a href="#">#86-265</a> | ₹1,63,174<br>Qty 10+ ₹1,35,926 | Contact Us |
| 50.00 | 1,074.60 | 1064.00 | <10.6 | 831 - 1064  | 831 - 1064 | <a href="#">#86-266</a> | ₹1,63,174<br>Qty 10+ ₹1,35,926 | Contact Us |



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