



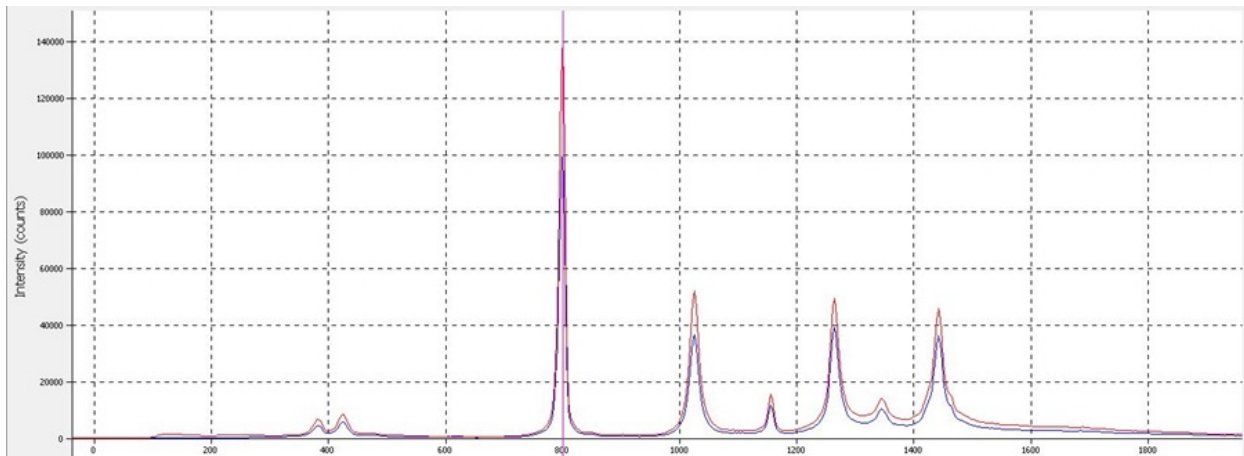
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High Throughput Raman Probe



RPMC is proud to introduce our Raman probe optimized to mate with RPMC multimode fiber coupled lasers to offer higher throughput and low stray light. Standard wavelengths are 532 nm, 638 nm, 785 nm and 1064 nm (405nm, 808 nm, & 830 nm are also available). The RPMC Raman probe includes a high throughput optical design with either 65cm⁻¹, 125cm⁻¹ or 200cm⁻¹ cut-on wavelength and either 8.1 mm or 9.7 mm working distance. The probe has a flexible design that allows RPMC to optimize collection efficiency for low or high f# spectrometers, and customers can select both excitation & collection fiber type.

RPMC Probe vs. Other Raman Probe



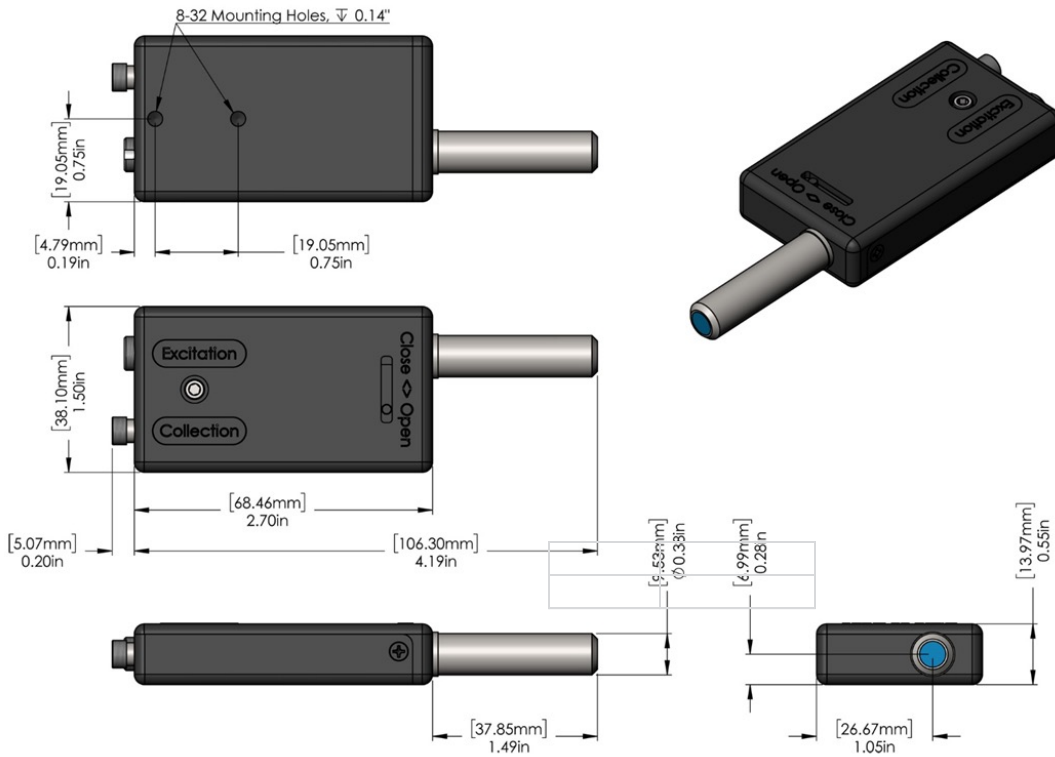
RPMC Raman probe is shown in Red leading Raman Probe product shown in blue

General Optical Specifications

Parameter	Unit
Excitation Fiber	Typically 0.22 NA step index multimode fiber with FC/PC termination. Other fiber available by request.
Collection Fiber	1.5 m long 200 micron multimode with SMA termination (FC/PC available upon request)
Cut-on	65 cm ⁻¹ , 125 cm ⁻¹ or 200 cm ⁻¹ cut-on
Shaft Material	316L Stainless Steel
Fiber Bend Radius	2 inches
Working distances	8.1 mm & 9.7 mm working distance standard (+/- 0.5 mm) - Custom distances available upon request
Operating Temperature	0 degrees C to + 50 degrees C
Storage Temperature	- 20 degrees C to + 80 degrees C
Humidity	0 - 80% non-condensing

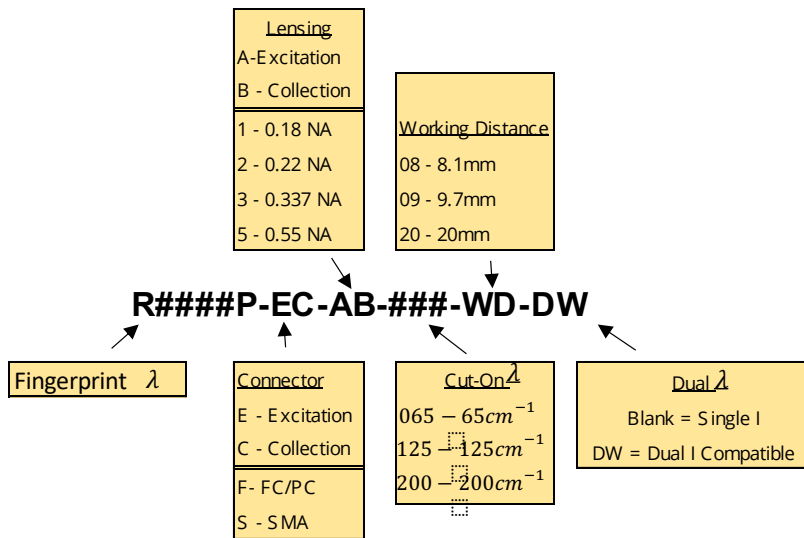
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Mechanical Specifications



****NOTE** -**
Excitation and collection fibers are not included with High Throughput Raman Probe. Customers can order fibers directly from RPMC or purchase independently.

Part Numbering Schema



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