

Key Features:

- Wide range of filter designs:
 - Anti-reflection
 - Bandpass (pictured above)
 - Longpass
 - Shortpass
 - Partial Reflectors
- Various fiber tip configurations:
 - Connectorized
 - Bare
 - Tapered
 - Lensed

Applications:

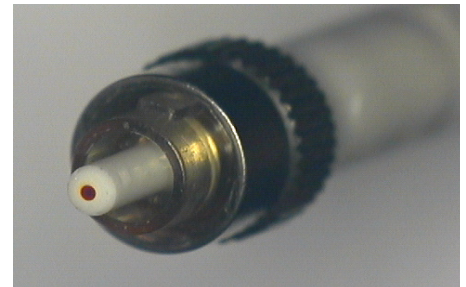
- Laser Coupling
- Laser Eye Surgery
- Fiber Lasers
- Fiber Interferometers
- Fiber Raman Probes
- Fiber-Based Flow Cytometry

Nearly any coating that can be produced on flat glass can also be deposited on fiber tips. Designs include AR, bandpass, longpass, shortpass, and partial reflectors.

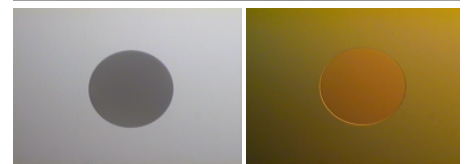
The tips can be connectorized, bare, tapered, or lensed. Both single and multimode fiber can be coated, although the angular distribution in multimode fiber must be considered regarding AOI distributions at the coatings. These coatings are robust, allowing a coated tip to be connected to an uncoated tip.

Omega coats fiber mounted to custom jigs that are compatible with different types of connectors (FC, ST, SC, etc.)

Please contact us for a quotation.

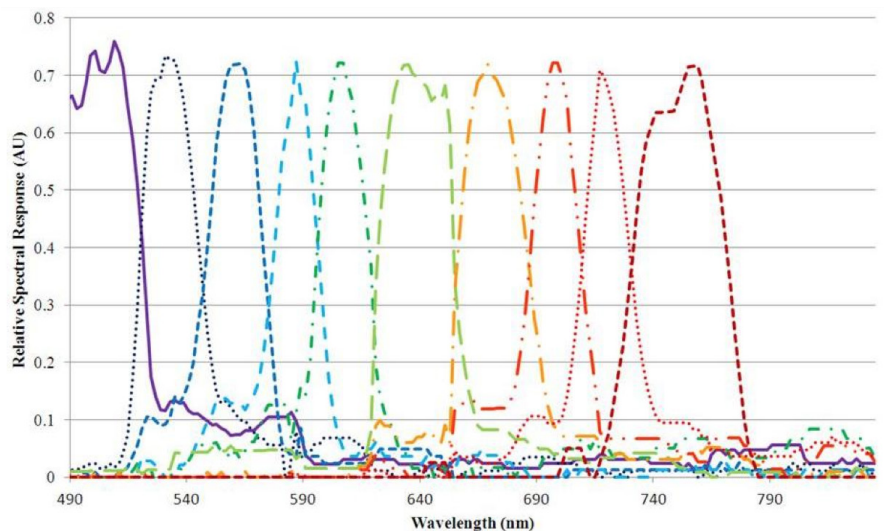


*Partial Reflector
Fiber Tip Coating*



*Pre-Deposition
Fiber Tip*

*Post-Deposition
Fiber Tip*



*Spectral response of an array of ten fiber tips, each coated with shortwave reflectors.
SPIE Paper 9754-12: Coated fiber tips for optical instrumentation*