Product Description

Set of 10 SNOM probes with transmitted wavelength 600-770nm.

- Material - single mode optical fiber Nufern 630HP.
- Probe tip is coated by Al (70nm)/sublayer Cr (20nm) .
- Aperture (hole uncoated by Al) ~ 125 ± 25nm
- Angle of fiber - about 20 degrees
- Maximum optical input power - 400 microWatt
- Tip is formed by chemical etching.
- Fiber length ~ 2 meters.
- Tip length without protective coating is 7-8mm.

Geometrical & Mechanical fiber Specifications:

Clad Diameter	125.0 ± 1.5 µm
Coating Diameter	245 ± 15 µm
Core-Clad Concentricity	< 0.5 µm
Coating/Clad Offset	≤ 5 µm
Coating Material	UV Cured, Dual Acrylate
Operating Temperature	-55 to +85 °C
Short-Term Bend Radius	≥ 6 mm
Long-Term Bend Radius	≥ 13 mm
Proof Test Level	≥ 200 kpsi (1.4 GN/m²)

General Features

Basic Nufern fiber	630-HP
Operating wavelength	600-770 nm
Second Mode Cut-Off	570 ± 30 nm
Measured Optical efficiency at the wavelength 530nm	5x10 (-5) - 5x10 (-4)
Calculated Optical efficiency at the working wavelength	10 (-5) - 10 (-4)