

SM-Raman-P

Single-Mode Passive Fiber



Coractive's SM-Raman-P is a single-mode fiber specifically designed for applications that require Raman gain efficiency. This fiber offers good overall performance, low splice loss and can provide gain at any wavelength between 1100 nm and 1700 nm.

Features & Benefits

- Small effective area
- Low splice losses
- Raman gain efficiency between 1100 nm and 1700 nm
- Single-mode operation

Applications

- Telecommunications

Specifications

Optical

Numerical Aperture - Core	0.18 ± 0.02
Background Loss @ 1060 nm (dB/km)	< 10.0
Cutoff Wavelength (nm)	850 ± 50
Mode Field Diameter @ 1060 nm - Nominal (µm)	5.5 ± 1.0

Geometrical & Mechanical

Core Diameter - Nominal (µm)	4
Cladding Diameter (µm)	125.0 ± 2.0
Core/Cladding Concentricity Error (µm)	< 0.7
Coating Diameter (µm)	245 ± 10
Proof Test (kpsi)	≥ 100

Environmental

Operating Humidity (%)	5 - 85
Operating Temperature (C°)	0 - 70
Storage Humidity (%)	5 - 85
Storage Temperature (C°)	-40 - 85