

**Photosensitive Fiber for Slanted FBG**

**Product Information**

Issue Date: 2002/01

**FEATURES**

Specially designed of fiber core structure for use in slanted FBG filter  
 Core and Inner-cladding both have photosensitivity

**APPLICATIONS**

Gain-flattening filter for erbium doped fiber amplifier (GF-EDFA)  
 Ultra-narrow FWHM bandwidth Slanted-FBG compared to standard single mode fiber  
 Low back reflection Slanted-FBG

**SPECIFICATIONS**

**Product Name**

**PHOSFBG**

Design Wavelength	1550 nm
Cut-off Wavelength	$\leq 1550$ nm
Attenuation @1550nm	$\leq 10$ dB/km
Numerical Aperture	$0.10 \pm 0.02$
Mode Field Diameter (Petermann II) @1550nm	$12.5 \pm 1.0$ $\mu$ m
Core Diameter	$10.5 \pm 1.0$ $\mu$ m
Cladding Diameter	$125 \pm 1$ $\mu$ m
Coating Diameter	$245 \pm 10$ $\mu$ m
Core/ Cladding Concentricity	$\leq 1.0$ $\mu$ m
Cladding/ Coating Concentricity	$< 12$ $\mu$ m
Proof Test	$\geq 100$ kpsi
Length	Customize

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