

## Photosensitive Boron Doped Fiber

### Product Information

Issue Date: 2002/01

#### FEATURES

Boron and germanium co-doped core with intrinsic photosensitivity

Allow gratings to be written without hydrogenation

Highly confined fundamental mode

Intrinsic resistance to micro and macro bending loss

#### APPLICATIONS

DWDM FBG

FBG for sensor applications

#### SPECIFICATIONS

##### Product Name

**PHOBDCDC15**

Design Wavelength

1550 nm

Cut-off Wavelength

1300~1550 nm

Attenuation @1550nm

$\leq 60$  dB/km

Numerical Aperture

$0.2 \pm 0.015$

Mode Field Diameter (Petermann II) @1550nm

$7.0 \pm 0.5 \mu\text{m}$

Core Diameter

$7.0 \pm 0.5 \mu\text{m}$

Cladding Diameter

$125 \pm 1 \mu\text{m}$

Coating Diameter

$245 \pm 10 \mu\text{m}$

Core/ Cladding Concentricity

$\leq 0.8 \mu\text{m}$

Cladding/ Coating Concentricity

$< 12 \mu\text{m}$

Proof Test

$\geq 100$  kpsi

Length

Customize

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