

**Photosensitive LPG Fiber****Product Information**

Issue Date: 2002/04/12

**FEATURES**

Specially designed boron and germanium co-doped core  
Low coefficient of thermal effect  
Highly confined fundamental mode  
Intrinsic resistance to micro and macro bending loss

**APPLICATION**

Temperature insensitive long-period fiber grating

**SPECIFICATIONS****Product Name****PHOBDCSI15**

Design Wavelength

1550 nm

Cut-off Wavelength

 $\leq 1500$  nm

Attenuation @1550nm

 $\leq 60$  dB/km

Numerical Aperture

 $0.23 \pm 0.015$ 

Mode Field Diameter (Petermann II) @1550nm

 $6.0 \pm 0.5$   $\mu$ m

Core Diameter

 $4.5 \pm 0.5$   $\mu$ m

Cladding Diameter

 $125 \pm 1$   $\mu$ m

Coating Diameter

 $245 \pm 10$   $\mu$ m

Core/ Cladding Concentricity

 $\leq 0.8$   $\mu$ m

Cladding/ Coating Concentricity

 $< 12$   $\mu$ m

Proof Test

 $\geq 100$  kpsi

Length

Customize

Prime Optical Fiber Corporation  
No.11, Ke Jung Rd.  
Science-Based Industrial Park  
Chu-Nan, 350, Miao-Li County, Taiwan, R.O.C.  
Tel: 886-37-586999 Fax: 886-37-586899  
E-mail: sales@pofc.com.tw

