



# Single Mode DFB Laser

## Applications

- Fiber optic networks and coherent transmission systems
- Fiber laser and amplifier pumping
- Metrology

## Features

- High power 976nm laser module
- DFB grating enables single frequency (CW mode) operation
- Bragg grating stabilized buried hetero-structure chip

## Benefits

- Highest performance from fiber lasers due to industry leading brightness and power
- Long term spectral stability from internal grating chip design
- High device reliability via hard solder and CTE-matched mounting technology



|  | ES-149             |
|--|--------------------|
| Center wavelength                        | 976 +/- 1nm        |
| Output Power                             | 150 mW             |
| Operating Current                        | < 260mA            |
| Operating Voltage                        | < 1.8 V            |
| Threshold current                        | < 25 mA            |
| Slope efficiency (@ I <sub>th</sub> )    | > 0.7 W/A          |
| Side mode suppression ratio (dB)         | > 35dB             |
| dλ/dt                                    | 0.08 nm/°C         |
| Slow Axis Divergence (1/e <sup>2</sup> ) | 42 deg             |
| Fast Axis Divergence (1/e <sup>2</sup> ) | 62 deg             |
| Cavity Length                            | 1.0 mm             |
| C mount Size                             | 6.9 x 6.4 x 3.6 mm |
| Chip bonding                             | p-down             |

**BRIGHTNESS and POWER**  
**Breaking Performance Barriers through Semiconductor Laser Innovation**

**QPC Lasers, Inc.**

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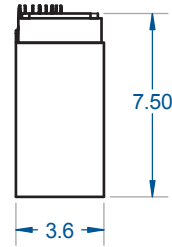
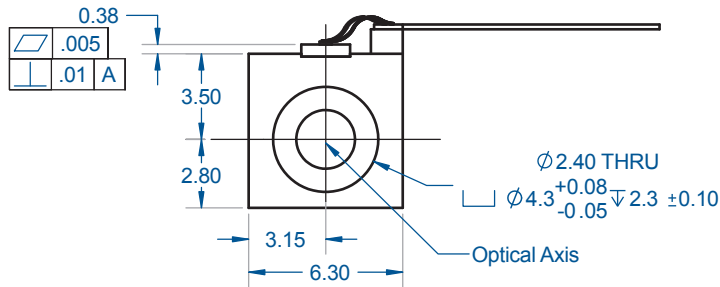
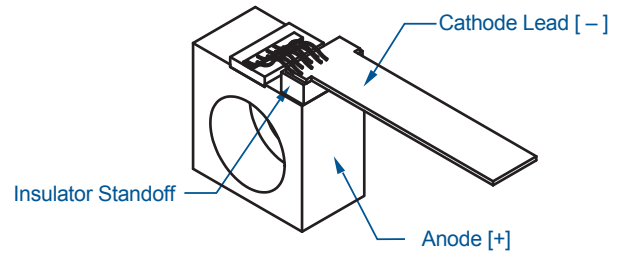
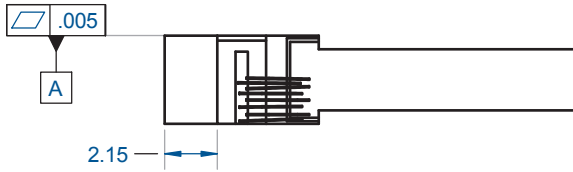




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# Single Mode DBF Laser

## C-Mount



光技術をサポートする

株式会社オプトサイエンス

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