

**FOR IMMEDIATE RELEASE:  
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**Quintessence Photonics Corporation releases 1.0 Watt 1550 nm single mode, single frequency BrightLase™ semiconductor lasers**

(SYLMAR, CA) January 20, 2006 — Quintessence Photonics Corporation, a world leader in the design and manufacture of high brightness, high power semiconductor lasers, announced the release of 1.5 Watt 1550 nm single transverse mode single frequency single emitters.

These C-mount products operate in the eye-safe wavelength regime and feature industry leading single mode power from a diffraction limited, single frequency beam. To ensure the ruggedness of the product in the broad range of customer applications, QPC's products are manufactured with state-of-the-art hard solder processes and mounts having coefficient of thermal expansion closely matched to the semiconductor laser die.

"This single frequency, single mode addition to the BrightLase™ family offers customers the efficiency, compactness, and cost effectiveness of direct diode technology with the excellent beam quality only previously possible from more costly DFB laser and EDFA architectures. These devices can dramatically simplify laser communication systems and are ideal for materials processing at eye-safe wavelengths." Paul Rudy, Vice President of Marketing and Sales at Quintessence, commented.

**About Quintessence Photonics Corporation**

Quintessence Photonics Corporation is a world leader in the development and commercialization of high brightness, high power semiconductor lasers for the industrial, defense, and medical markets. Founded in the year 2000, Quintessence is vertically integrated from epitaxy through packaging and performs all critical fabrication processes at its state-of-the-art high-technology facility in the Los Angeles suburb of Sylmar, CA. For more information, please visit [www.qpclasers.com](http://www.qpclasers.com) or contact George Lintz at (818) 833-4668 or by email at [info@qpclasers.com](mailto:info@qpclasers.com).