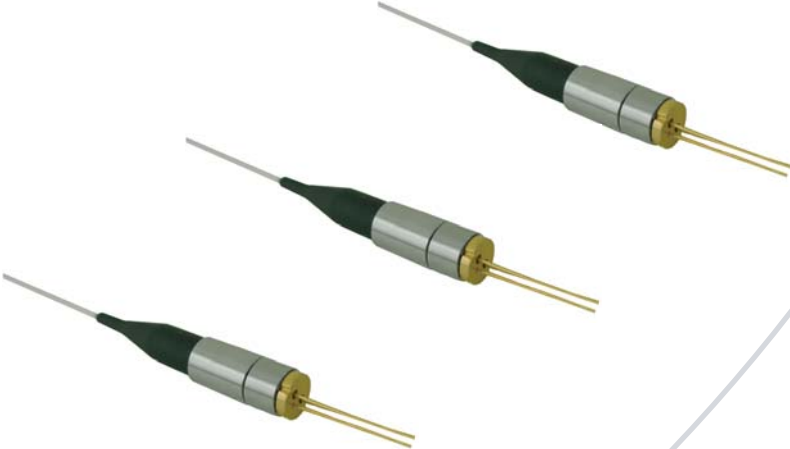




Compact Pigtailed Laser Diode Modules



www.princetel.com

Princetel, Inc.
4 Princess Rd Ste 209
Lawrenceville, NJ08648
609.895.9890
fax 609.895.9552
info@princetel.com



Compact Pigtailed Laser Diodes

Description

Princetel facilitates the bridge between diode lasers and their most desirable output media, optical fibers. By using a single mode optical fiber one can obtain a mathematically perfect Gaussian beam. Our pigtailed expertise allows our products to achieve high coupling efficiency, long-term stability and reliability. These compact modules are ideal for system applications where space is usually limited.

Specification

Wavelength	635-1650 nm (see code for more choices)
Coupling efficiency (SM fiber)	>10% (30% typical)
Coupling efficiency (MM fiber)	>50% (>70% typical)
Operating temperature	0 to 40 C
Storage temperature	-20 to 60 C

Call us for TEC cooling solutions.

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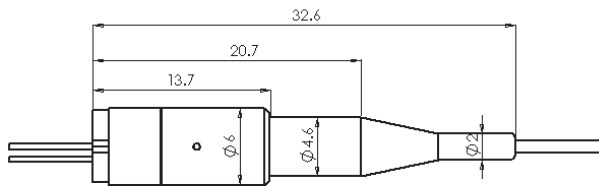
Compact Pigtailed Laser Diodes

Physical Properties

Package type	In-line cylindrical
Package Material	Stainless steel
Fiber type	Singlemode, PM, multimode, or plastic
Jacket type	900 um tight or loose buffer
Connector type	FC/PC, SC/PC, ST, FC/APC, or SC/APC
Dimensions	6 mm dia x 13.7 mm length
Weight	<5 g
Diode package type	5.6 mm TO CANs with hermetic seal*

* 9 mm TO package can only be used with our flanged pigtail modules.

Mechanical



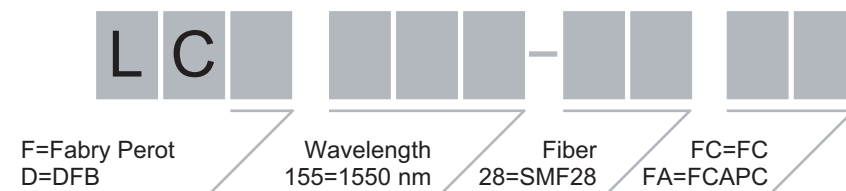
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Part Number



Wavelength and Fiber Code

Wavelength	Fiber
165=1625 nm	28=Corning SMF28 (1290=1650 nm)
162=1625 nm	13=Fujikura SM13 PANDA fiber
159=1590 nm	15=Fujikura SM15 PANDA fiber
155=1550 nm	56=3M FS-SN5624 (980 nm)
153=1530 nm	42=3M FS-SN4224 (850 nm)
148=1480 nm	32=3M FS-SN3224 (635 nm)
131=1310 nm	50=50/125 multimode
980=980 nm	62=62.5/125 multimode
850=950 nm	10=100/140 multimode
780=780 nm	20=200/240 multimode
670=670 nm	40=400/425 multimode
650=650 nm	60=600/630 multimode
635=635 nm	01=1000 um Mitsubishi plastic

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