

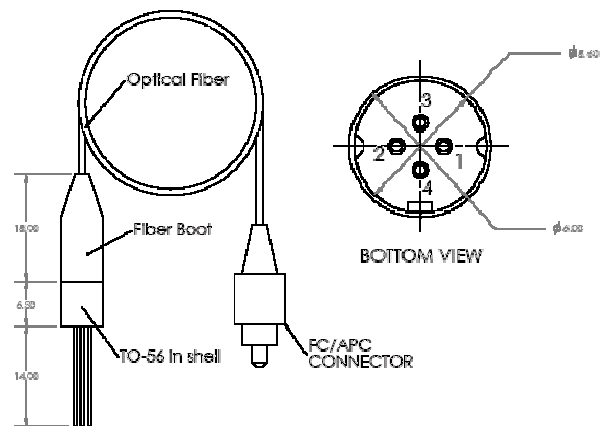
Telecom Laser in coaxial pigtail package

Product Description

Denselight offers a series of CWDM & 1310nm/1550nm uncooled Laser Diodes in Coaxial SM fiber pigtail package for data transmissions up to 2.5Gbps. It can operate over a wide temperature range from 0°C to +70°C without any need for a Peltier cooler and temperature controller.

FEATURES

- Peak wavelength range: 1310nm, 1550nm and CWDM wavelengths
- High output power to 2mW at 25°C
- InGaAsP/InP MQW FP laser (FP lasers)
- InGaAsP/InP MQW with $\lambda/4$ shifted grating structure (DFB Lasers)
- Wide temperature operation range from 0 to +70°C without any active cooling
- Built-in InGaAs monitor photodiode
- SMF-28 TP-56 coaxial with pigtail (optional FC connector)
- Designed for 2.5Gbps (DFB) or 1.25Gbps (FP Laser) high speed transmission
- RoHS Compliance



PACKAGING

Part	Description
Package type	TP-56 coaxial with pigtail
Fiber:	SMF-28
MFD	9µm
Cladding diameter	125µm
Coating diameter	245µm
Jacket	900µm loose tube
Fiber pigtail length	>0.8m
Fiber bending radius	>40mm
Connector	FC/APC

Product	Laser device type and wavelengths	Application
DL-UDLC021D-SXXXX-Y	CWDM DFB Laser 1470nm, 1490nm, 1510nm, 1530nm, 1550nm, 1570nm, 1610nm	CWDM transmission
DL-UDL021D-SXXXX-Y	1310/1550nm DFB Laser	2.5Gbps SONET/SDH
DL-UFL021D-SXXXX-Y	1310/01550nm FP Lasers	1.25Gbps data transmission