

High Temperature (150°C) Harsh Environment Fiber Pigtailed Laser

Product Description

Agiltron fiber coupled 850nm Vertical Cavity Surface Emitting Lasers or VCSEL modules are based on a breakthrough fabrication platform technology featuring industrial leading attributes in high coupling efficiency, low cost, and high stability. The device is capable of withstanding high temperatures up to 190°C. All material meets NASA's low outgas requirement. The package meet Telecordia 1221 reliability standard.

Agiltron also offers the fiber pigtailed package for customer's laser diodes with special requirements.



Performance Specifications

Item	Unit	Min	Typ	Max
Optical output power*	mW	0.7	0.9	
Threshold current	mA	1	2.7	
Operating current	mA		7	
Operating voltage	V	1.5	1.9	
Lasing wavelength	nm		850	
Operating temperature	° C	-10		+190
Storage temperature	° C	-40		+200
Laser reverse voltage	V		5	

* MMF, 62.5/125, Test condition, +150°

Features

- Compact
- Low Cost
- High Reliability
- High Coupling Efficiency

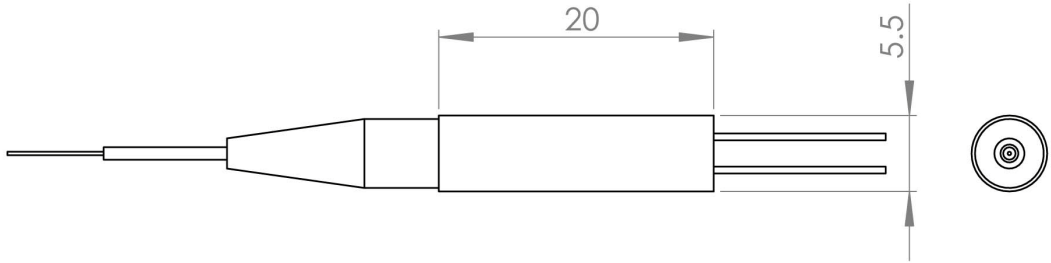
Applications

- R&D applications
- Instrumentations
- Sensors



Pigtailed Laser Diode Modules

Mechanical Dimensions: Unit: mm



Ordering Information

PLDM -	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Type	Wavelength	Fiber Type		Fiber Length	Connector Type
	Regular =11 Special =00	850=8 Special=0	Special= 00 MMF62.5 / 125= 62 MMF50/125 = 50	Bare fiber=1 900um tube=3 Special=0	1.0 m= 3 Special= 0	None = 1 FC/PC = 2 FC/APC = 3 SC/PC = 4 SC/APC = 5 ST/PC = 6 LC = 7 Special = 0