

Fiber Pigtailed Laser Diode Modules

(patent pending)

Product Description

Agiltron Fiber Pigtailed Laser Diode Modules are based on a breakthrough fabrication platform technology featuring industrial leading attributes in low cost, high coupling efficiency, and stability. Our bonding material not only meets NASA's low outgas requirement but is also capable of withstanding high temperatures (85° C). The package meets the Telecordia 1221 reliability standard.

The lasers are designed for a wide range of applications while covering wavelengths from VIS to IR with required output power for single mode, multimode, or polarization maintaining fibers. They have a standard 3-pin or 4-pin connection for compatibility with common drivers. This pigtailed package and its process are available for customer's laser diode or VCSEL with TO-CAN.

Performance Specifications

Wavelength (nm)			Fiber Type	Threshold Current (mA)			Operating Current (mA)			Drive Voltage (V)		
Min	Typ	Max		Min	Typ	max	Min	Typ	max	Min	Typ	max
400	408	415	3.5/125	-	100	130	-	230	280	-	4.2	4.8
468	473	478	3.5/125	20	50	80	50	100	150	4.0	5.5	7.0
635	645	655	4/125	25	45	60	40	60	80	2.0	2.2	2.5
775	785	795	5/125	-	40	50	-	95	140	-	1.8	2.2
830	850	870	5/125	-	25	40	-	35	50	2.0	2.2	2.7
970	980	990	6/125	-	20	-	-	100	-	-	--	2.8
1055	1064	1075	6/125	55	65	75	-	180	260	-	2.0	2.2
1285	1310	1335	9/125	-	20	50	-	30	120	-	3.0	4.5
1520	1550	1580	9/125	-	10	20	-	30	50	-	1.1	1.5

Features

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

Applications

- R&D Applications
- Instrumentations
- Sensors



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Ordering Information

PLDM -	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Type	Wavelength	Package Type	Fiber Type	Fiber Length	Connector		
Regular=11 Special=00	1550=5 1310=3 1064=1 980=9 850=8 785=7 645=6 473=4 408=2 Special=0	Standard=1 Special=0	SMF=1 Special=0	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	

