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Polarization Maintaining Fiber-Coupled Laser Sources

Product Description

Agiltron Fiber Pigtailed Laser Diode Modules feature low noise, high coupling efficiency, and high outpower stability. They cover a wide range of wavelengths from VIS to IR with output power between a few mW to several ten mW. This bench top provides a low-cost tool for testing. The available configurations are listed in the table below. The polarization extinction ratio (ER) slowly oscillates to some extent. We made ER stabilized 1550nm laser source.

Once the wavelength is selected, matching fiber will be used to maintain single mode and polarization maintaining.



Features

- Compact
- Ultra-Stable
- Low Cost
- High Reliability
- High Efficiency

Optical Specifications

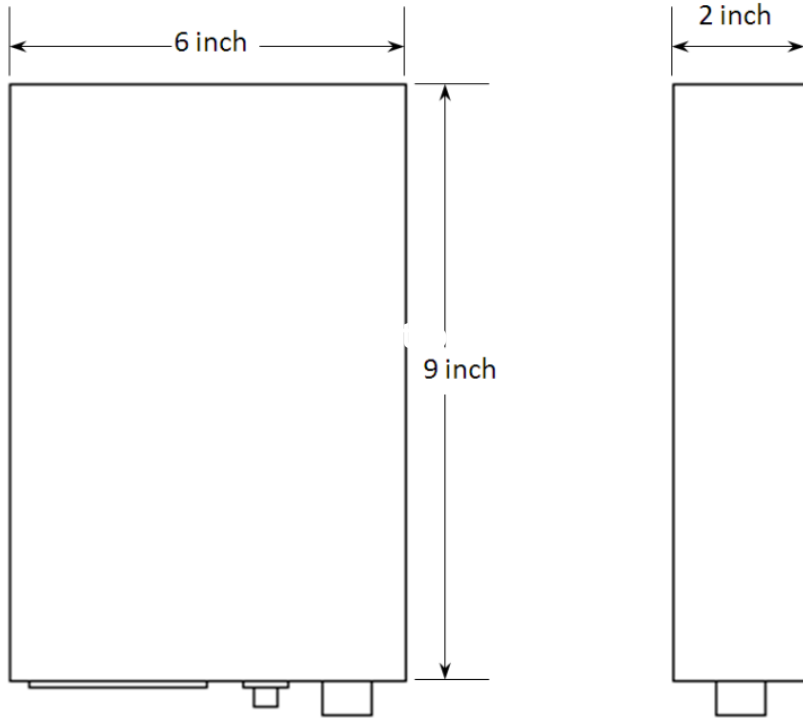
Wavelength (nm)			Typical Power (mW)	Spectral Width (nm)	Laser Type
Minimum	Typical	Maximum			
395	405	415	10	1	FP
440	445	450	5	1	FP
630	633	635	5	1	FP
632	635	638	0.5	0.5	FP
650	660	670	5	1	FP
750	760	770	1	0.5	FP
770	775	780	5	1	FP
770	780	785	5	1	FP
800	810	820	5	2.5	FP
810	820	830	5	2.5	FP
840	850	860	10	2	FP
895	905	915	5	3	FP
945	950	965	1	3	FP
965	980	985	2	500kHz	FBG
1020	1030	1040	12	2.5	FP
1020	1030	1040	2	500kHz	FBG
1050	1060	1080	8	2.5	FP
1055	1060	1075	5	500kHz	FBG
1075	1080	1090	12	3	FP
1250	1255	1260	1	3	FP
1255	1270	1290	1	3	FP
1290	1300	1330	5	3	FP
1300	1300	1320	10	0.02	DFB
1385	1390	1395	10	10MHz	DFB
1480	1490	1500	3	1	FP
1530	1550	1560	5	2MHz	DFB
1530	1550	1570	5	4	FP
1560	1570	1585	5	7	FP
1590	1600	1620	12	10MHz	DFB
1615	1620	1635	1	7	FP

Applications

- R&D Applications
- Instrumentations
- Sensors



Mechanical Dimensions



*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

Ordering Information

Prefix	Package	Wavelength	Laser Type	Fiber Type	Optical Power	Connector
PLPM-	Standard = 1 Special = 0	405 nm = 0405 445 nm = 0445 633 nm = 0633 635 nm = 0635 660 nm = 0660 775 nm = 0775 780 nm = 0780 810 nm = 0810 820 nm = 0820 850 nm = 0850 905 nm = 0905 950 nm = 0950 980 nm = 0980 1030 nm = 1030 1060 nm = 1060 1080 nm = 1080 1255 nm = 1255 1270 nm = 1270 1300 nm = 1300 1390 nm = 1390 1490 nm = 1490 1550 nm = 1550 1570 nm = 1570 1600 nm = 1600 1620 nm = 1620	FP = 1 DFB = 2 FBG = 3	The fiber matches the wavelength =1 Special=0	< 5mW = 1 <10mW = 2 <20mW = 3 <30mW = 4 Special = 0	FC/PC = 1 FC/APC = 2 LC = 3 ST = 4 SC = 5 SMA = 6 Special = 0