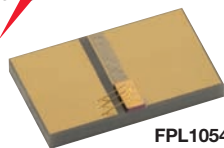


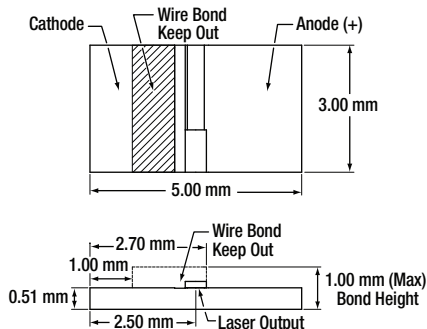
Fabry-Perot Lasers, Chip on Submount

CAUTION:
ELECTROSTATIC
SENSITIVE



FPL1054C
Chip on Submount

These Fabry-Perot Lasers are reliable laser diodes based on high-power, Multiple Quantum Well (MQW), InP ridge waveguide devices. They have center wavelengths between 1310 and 2000 nm and can be used in either continuous wave (CW) or pulsed operation. The Chip on Submount package measures 3 mm x 5 mm and is ideal for incorporation into OEM solutions.



ITEM #		FPL1053C			FPL1001C			FPL1055C		
CHARACTERISTIC	SYMBOL	MIN	TYPICAL	MAX	MIN	TYPICAL	MAX	MIN	TYPICAL	MAX
Center Wavelength	λ_c	1290 nm	1310 nm	1330 nm	1530 nm	1550 nm	1570 nm	1530 nm	1550 nm	1570 nm
Spectral Bandwidth (RMS)	$\Delta\lambda$	-	5 nm	8 nm	-	7 nm	12 nm	-	6 nm	10 nm
Output Power Pulsed @ I_{PULSE}	P_{PULSED}	300 mW	-	-	-	-	-	300 mW	-	-
Output Power CW @ I_{CW}	P_O	160 mW	-	-	140 mW	150 mW	-	140 mW	-	-
Threshold Current	I_{TH}	-	30 mA	50 mA	-	35 mA	55 mA	-	40 mA	50 mA
Operating Current Pulsed	I_{PULSED}	-	750 mA	1000 mA	-	-	-	-	750 mA	1000 mA
Operating Current CW	I_{CW}	-	400 mA	500 mA	-	400 mA	500 mA	-	400 mA	500 mA
Forward Voltage	V_F	-	2.0 V	3.0 V	-	1.4 V	1.8 V	-	2.0 V	3.0 V
Transverse Far Field Angle	θ_T	-	27°	36°	25°	31°	37°	-	28°	37°
Lateral Far Field Angle	θ_L	-	15°	23°	13°	18°	23°	-	15°	23°

ITEM #		FPL1054C			FPL1059C			FPL2000C		
CHARACTERISTIC	SYMBOL	MIN	TYPICAL	MAX	MIN	TYPICAL	MAX	MIN	TYPICAL	MAX
Center Wavelength	λ_c	1605 nm	1625 nm	1645 nm	1630 nm	1650 nm	1670 nm	1980 nm	2000 nm	2020 nm
Spectral Bandwidth (RMS)	$\Delta\lambda$	-	7 nm	12 nm	-	7 nm	12 nm	-	15 nm	-
Output Power Pulsed @ I_{PULSE}	P_{PULSED}	250 mW	-	-	225 mW	-	-	-	-	-
Output Power CW @ I_{CW}	P_O	130 mW	-	-	125 mW	-	-	25 mW	30 mW	-
Threshold Current	I_{TH}	-	45 mA	55 mA	-	50 mA	60 mA	-	55 mA	80 mA
Operating Current Pulsed	I_{PULSED}	-	750 mA	1000 mA	-	750 mA	1000 mA	-	-	-
Operating Current CW	I_{CW}	-	400 mA	500 mA	-	400 mA	500 mA	-	400 mA	500 mA
Forward Voltage	V_F	-	2.0 V	3.0 V	-	2.0 V	3.0 V	-	2.0 V	2.5 V
Transverse Far Field Angle	θ_T	-	28°	37°	-	28°	37°	-	-	-
Lateral Far Field Angle	θ_L	-	15°	23°	-	15°	23°	-	-	-

Fabry-Perot Lasers, Chip on Submount

ITEM #	\$	£	€	RMB	DESCRIPTION
FPL1053C	\$ 250.00	£ 180.00	€ 217,50	¥ 1,992.50	Fabry-Perot Laser, 1310 nm, 160 mW (Min) CW, Chip on Submount
FPL1001C	\$ 250.00	£ 180.00	€ 217,50	¥ 1,992.50	Fabry-Perot Laser, 1550 nm, 140 mW (Min) CW, Chip on Submount
FPL1055C	\$ 250.00	£ 180.00	€ 217,50	¥ 1,992.50	Fabry-Perot Laser, 1550 nm, 140 mW (Min) CW, Chip on Submount
FPL1054C	\$ 275.00	£ 198.00	€ 239,25	¥ 2,191.75	Fabry-Perot Laser, 1625 nm, 130 mW (Min) CW, Chip on Submount
FPL1059C	\$ 300.00	£ 216.00	€ 261,00	¥ 2,391.00	Fabry-Perot Laser, 1650 nm, 125 mW (Min) CW, Chip on Submount
FPL2000C	\$ 1,500.00	£ 1,080.00	€ 1.305,00	¥ 11,955.00	Fabry-Perot Laser, 2000 nm, 25 mW (Min) CW, Chip on Submount

Have you seen our...

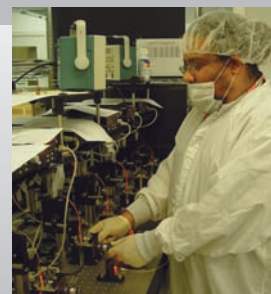
Pigtails Laser Diodes



TO-Packaged Pigtail

- ◆ SM Pigtails from 405 nm to 2 μ m
- ◆ PM Pigtails from 635 nm to 1550 nm
- ◆ MM Pigtails with 635 nm or 660 nm CWL
- ◆ Custom Pigtails Available Upon Request

See pages 1252 - 1253



Pigtails Laser Diode Alignment

CHAPTERS ▾

Coherent Sources

Incoherent Sources

Quantum Electronics

Drivers/Mounts

Accessories

SECTIONS ▾

Gain Chips

Optical Amplifiers

Superluminescent Diodes

Fabry-Perot Lasers

Single Frequency Lasers

Optical Modulators