

For current pricing, please see our website.

CHAPTERS

Coherent Sources

Incoherent Sources

Quantum Electronics

Drivers/Mounts

Accessories

SECTIONS

Laser Diodes

Pigtailed Diodes

Fiber-Coupled Laser Sources

WDM Laser Sources

HeNe Lasers

Laser Diode Modules

Tunable Lasers

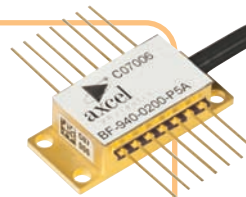
Femtosecond Lasers

Optical Amplifiers

Fiber-Pigtailed, Butterfly Laser Diodes

Features

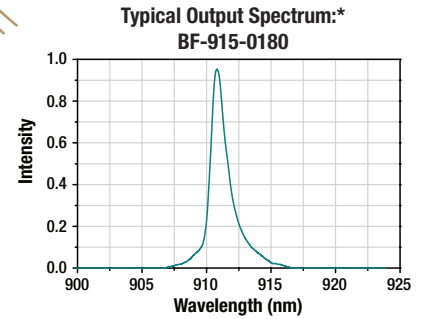
- Central Wavelengths: 915, 940, 975, or 1064 nm
- High CW Output Power: >180 mW
- Internal Thermoelectric Cooler and Photodiode Monitor
- Compact, Low-Profile, 14-Pin Butterfly Package
- PM Fiber-Coupled Output with FC/APC Connector



BF-940-0200
PM Fiber
FC/APC Connector



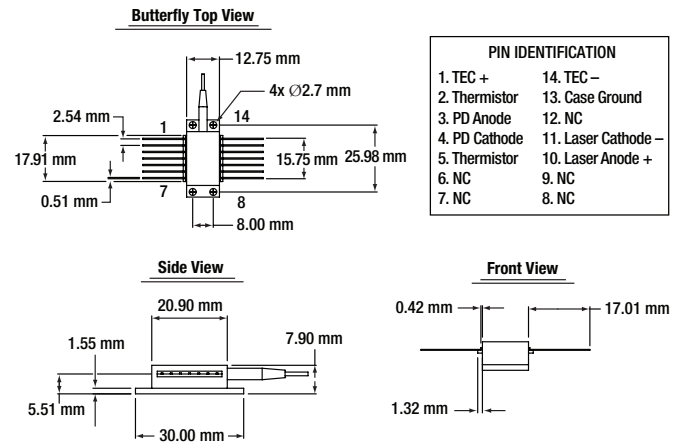
These single mode, fiber-pigtailed, 14-pin butterfly package laser diodes are available with central wavelengths from 915 to 1064 nm and offer typical output powers between 180 and 300 mW. The laser diode chips are mounted on a submount within the butterfly package and include an internal thermistor, TEC, and photodiode. Each butterfly package is pigtailed with 1 m of polarization-maintaining fiber that has been terminated with an FC/APC connector.



*Measured using FT-OSA Optical Spectrum Analyzer (as seen on pages 1600 - 1603).

Optical Electrical Characteristics (T_{CHIP} = 25 °C)

ITEM #	BF-915-0180		
	MIN	TYPICAL	MAX
Lasing Wavelength	910 nm	915 nm	920 nm
Spectral Bandwidth (FWHM)	-	0.5 nm	2.0 nm
Optical Output Power	-	180 mW	-
Operating Voltage	-	2.1 V	2.5 V
Operating Current	-	340 mA	390 mA
Threshold Current	-	30 mA	50 mA
Slope Efficiency	0.55 W/A	0.63 W/A	-
Lifetime	100,000 hrs	-	-
Operation Case Temperature	-20 °C	25 °C	70 °C
Storage Temperature	-40 °C	-	80 °C
TEC Current	-	-	2.0 A
TEC Voltage	-	-	3.2 V
Fiber Type	-		
Fiber Length	1 m		
Connector	FC/APC		



ITEM #	BF-940-0200			BF-979-0300			BF-1064-0180		
	MIN	TYPICAL	MAX	MIN	TYPICAL	MAX	MIN	TYPICAL	MAX
Lasing Wavelength	935 nm	940 nm	945 nm	970 nm	975 nm	980 nm	1059 nm	1064 nm	1069 nm
Spectral Bandwidth (FWHM)	-	0.5 nm	2.0 nm	-	0.5 nm	2.0 nm	-	0.5 nm	2.0 nm
Optical Output Power	-	200 mW	-	-	300 mW	-	-	180 mW	-
Operating Voltage	-	2.0 V	2.3 V	-	2.0 V	2.3 V	-	2.1 V	2.5 V
Operating Current	-	350 mA	420 mA	-	490 mA	580 mA	-	384 mA	484 mA
Threshold Current	-	30 mA	50 mA	-	30 mA	50 mA	-	50 mA	100 mA
Slope Efficiency	0.60 W/A	0.70 W/A	-	0.60 W/A	0.71 W/A	-	0.50 W/A	0.60 W/A	-
Lifetime	100,000 hrs	-	-	25 years	-	-	100,000 hrs	-	-
Operating Case Temperature	0 °C	25 °C	75 °C	0 °C	25 °C	75 °C	0 °C	25 °C	70 °C
Storage Temperature	-40 °C	-	80 °C	-40 °C	-	80 °C	-40 °C	-	80 °C
TEC Current	-	-	2.0 A	-	-	7.5 A	-	-	2.0 A
TEC Voltage	-	-	3.2 V	-	-	2.9 V	-	-	3.2 V
Fiber Type	PM980 (See Page 1029)			PM980 (See Page 1029)			-		
Fiber Length	1 m			1 m			1 m		
Connector	FC/APC			FC/APC			FC/APC		

ITEM #	PRICE	\$	£	€	RMB	DESCRIPTION
BF-915-0180	1-5 PCS	\$ 1,882.00	£ 1,355.04	€ 1,637.34	¥ 14,999.54	915 nm, 180 mW, PM Fiber-Pigtailed Butterfly Laser Diode, FC/APC
	6-10 PCS	\$ 1,825.54	£ 1,314.39	€ 1,588.22	¥ 14,549.56	
	11-20 PCS	\$ 1,787.90	£ 1,287.29	€ 1,555.48	¥ 14,249.57	
BF-940-0200	1-5 PCS	\$ 1,982.00	£ 1,427.04	€ 1,724.34	¥ 15,796.54	940 nm, 200 mW, PM Fiber-Pigtailed Butterfly Laser Diode, FC/APC
	6-10 PCS	\$ 1,882.90	£ 1,355.69	€ 1,638.13	¥ 15,006.72	
	11-20 PCS	\$ 1,783.80	£ 1,284.34	€ 1,551.91	¥ 14,216.89	
BF-979-0300	1-5 PCS	\$ 2,068.00	£ 1,488.96	€ 1,799.16	¥ 16,481.96	975 nm, 300 mW, PM Fiber-Pigtailed Butterfly Laser Diode, FC/APC
	6-10 PCS	\$ 2,005.96	£ 1,444.30	€ 1,745.19	¥ 15,987.51	
	11-20 PCS	\$ 1,964.60	£ 1,414.52	€ 1,709.21	¥ 15,657.87	
BF-1064-0180	1-5 PCS	\$ 1,994.00	£ 1,435.68	€ 1,734.78	¥ 15,892.18	1064 nm, 180 mW, PM Fiber-Pigtailed Butterfly Laser Diode, FC/APC
	6-10 PCS	\$ 1,954.12	£ 1,406.97	€ 1,700.09	¥ 15,574.34	
	11-20 PCS	\$ 1,934.18	£ 1,392.61	€ 1,682.74	¥ 15,415.42	