



# FBLD-520-0.005W-FC4-Coax

## Fiber-coupled SM Laser Diode

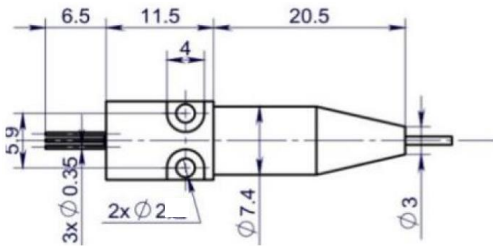
**Features:**                      **Wavelength 520nm**  
                                          **CW Output Power 5mW**  
                                          **Fiber Core Diameter 4µm / NA 0.13**  
                                          **Coaxial Package**

Specifications	Unit	Min	Typ	Max
<b>Optical Data</b>				
CW Output Power	mW	5	-	-
Center Wavelength $\lambda$	nm	510	-	530
Spectral Width (FWHM)	nm	-	-	3
Temperature Drift of $\lambda$	nm/°C	-	0.2	-
<b>Fiber Data</b>				
Core Diameter	µm	-	4	-
Numerical Aperture	NA	-	0.13	-
Cladding Diameter	µm	-	125	-
Buffer Diameter	µm	-	250	-
Fiber Length	m	0.9	1	1.1
Fiber Connector	-	FC/FA/SC/SA/SMA905/ST*		
Fiber Bend Radius	mm	-	40	-
<b>Electrical Data</b>				
Threshold Current	mA	-	50	-
Operation Current	mA	-	150	160
Slope Efficiency	W/A	-	0.25	-
Electrical-to-Optical Efficiency	%	0.1	-	-
Operation Voltage	V	-	7.3	8
Reverse Voltage	V	-	2	-

\* To be specified

Specifications	Unit	Min	Typ	Max
<b>Temperature Conditions</b>				
Case Operation Temperature	°C	15	-	35
Storage Temperature	°C	-20	-	70
<b>Other Parameters</b>				
ESD	V	-	-	500
Lead Soldering Temperature	°C	-	-	260
Lead Soldering Time	sec	-	-	10
Relative Humidity	%	15	-	75

### Package Dimensions (mm)



Pin	Function
1	LD ( + )
2	Case
3	LD (-)