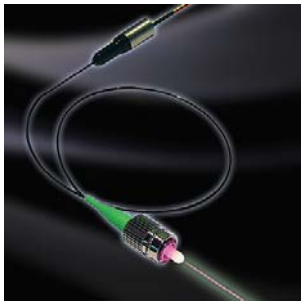


Multi-mode Fiber Coupled 785nm Laser Diode

Key Features:
Low Power Consumption
Up to 400mW
Temperature Stabilized Spectrum (<0.005nm/℃)

Applications:
Medical
Military
Sensing
Raman Spectrometer

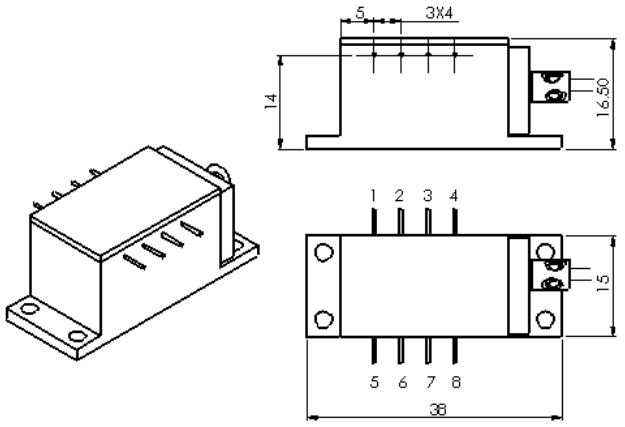
Model Number	**FMM785LD-100**	**FMM785LD-300**	**FMM785LD-500**
Optical Parameters			
Peak Wavelength	785 nm		
Output Power from Fiber	100mW	300mW	500mW
Power Stability (2hrs, APC)	<+/-2%		
Operating Temperature (Case)	10~40 deg C		
Peak Wavelength Drift	<0.005nm		
3dB Bandwidth (FWHM)	<0.1nm		
Electrical Parameters			
Laser Operating Mode	APC/ACC		
LD Working Voltage	<2.3V		
LD Power Consumption	<3.5W		
TEC Operation Voltage	<8.6V		
TEC Operation Current	<3.4A		
Electrical Connector	8-pin		
Fiber Parameters			
Fiber Type	100-105/125um Multimode Fiber		
Fiber Numerical Aperture	0.22		
Mechanical Parameters			
Laser Dimensions	38×15×16.5mm3		
Reliability			
Operating Humidity	5%~85% R.H.		
Storage Temperature	-40 to +85 deg C		
Expected Lifetime (MTTF)	>10000hrs		

Order Information:

FMM785LD — PPP — LL — JJ — TT

PPP：Output Power from Fiber	100=100mW
	300=300mW
	500=500mW
	000= To be Customized
LL：Fiber Length	05=0.5M
	10=1M
	15=1.5M
	20=2M
	00= To be Customized
JJ：Fiber Jacket (diameter)	01= 900μm black buffer
	02=2.8mm PVC Jacket
	00= To be Customized
TT：Fiber Termination	01=No Connector
	02= FC/APC Connector
	00= To be Customized

Mechanical Drawing



Pin #	Symbol
1	TEC-
2	LD-
3	LD+
4	PD+
5	TEC+
6	RH+
7	RH-
8	PD-