

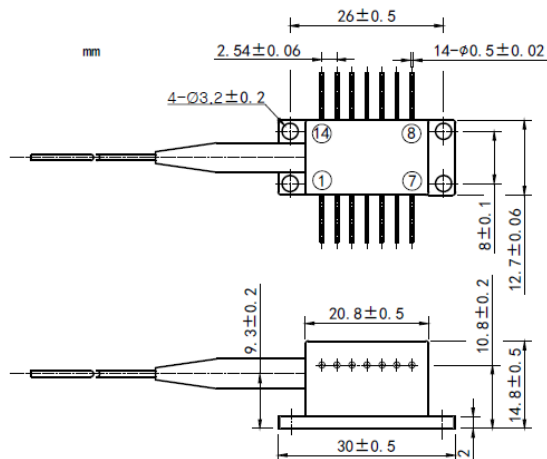
940 nm laser diode

100 mW / singlemode fiber / Butterfly package

Reference: 940LD-1a-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	mW		100	
Center Wavelength (OPTION 2: FBG version)	nm	935 (939)	940 (940)	945 (941)
Spectral Width (FWHM) / (OPTION 2: FBG version)	nm		1 (0.2)	
Threshold Current	mA		25	50
Operating Current	mA		400	450
Operating Voltage	V		2.2	3.0
Wavelength shift w Temperature (OPTION 2: FBG version)	nm/°C		0.3 (5 10 ⁻³)	
Wavelength shift w Current (OPTION 2: FBG version)	nm/A		5 (~0)	
Side mode suppression ratio (OPTION 2: FBG version)	dB		(20)	
Internal photodiode responsivity	mA/W	0.04	3	10
Internal photodiode dark current	nA		5	40
TEC current (25°/case@70°)	A		1.1	
TEC voltage (25°/case@70°)	V		1.9	
Internal thermistor (25°)	kOhm	9.5	10	10.5
Fiber type (OPTION 1 : PM fiber)	Hi780 or equivalent (PM780 or equivalent)			
Fiber bend radius	mm	25		
Fiber connector	Yes (FC/APC)			
Storage temperature	°C	-20		80
Operating case temperature	°C	10		30
Operating chip temperature	°C	10		30
Laser diode reverse voltage	V			2

Form factor:



Laser diode pinning:

PIN	FUNCTION	PIN	FUNCTION
1	TEC (+)	14	TEC (-)
2	Thermistor	13	CASE
3	PD (+)	12	None
4	LD (+) & PD (-)	11	LD (-)
5	Thermistor	10	LD (+) & PD (-)
6	None	9	None
7	None	8	None