1510nm 5mW Fiber Coupled LD with 14-pin Butterfly (BTF) Package | TEC Cooling| Built-in PD
1510nm|14-pin Butterfly DFB Laser Module | Single Mode Fiber Coupled| High Power Laser Diode
WSLX-1510-005m-9-T-DFB **Wavespectrum Laser Group.** **www.wavespectrum-laser.com**

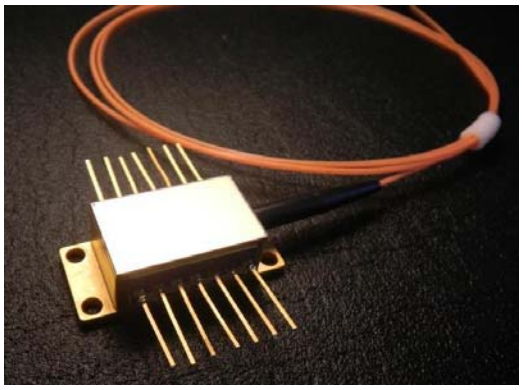
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	-20~+50	℃
Storage Temperature	T_{stg}	-40 ~ +85	℃
Lead soldering temperature (10 sec.)	T_{ls}	260	℃

Features:

- 1510nm
- 14-pin Butterfly package
- Single Mode Fiber
- Built-in Isolator
- Built-in TEC Cooling

Applications:

- Test Equipment
- Optical Transmitter of Analog Signal
- Optical Transmitter of Data Signal



Specifications	WSLX-1510-005m-9-T-DFB		
	Min	Type	Max
Center Wavelength@25℃	±3nm	1510nm	±5nm
Spectral Width (FWHM)	----	0.2nm	----
Output Power	5mW		
Threshold Current (Typ.)	10mA		
Operating Current (Typ.)	60mA		
Operating Voltage	1.4V		
Recommended Case Temperature	25°C		
Thermistor	10K		
TEC Max Current	1.8A		
TEC Max Voltage	2.5V		
Fiber Core	9um		
N.A.	0.12		
Fiber Length	80cm		
Connector Type	FC/SMA905		

Wavespectrum Laser Group
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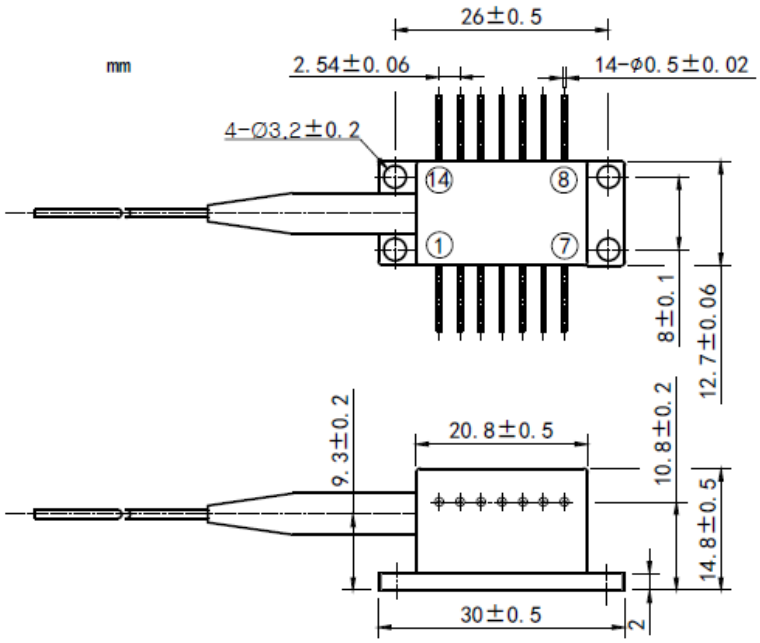
14-Pin Package View



Pin Out:

PIN	FUNCTION	PIN	FUNCTION
1	TEC(+)	14	TEC(−)
2	THERMISTOR	13	CASE
3	PD(+)	12	NC
4	PD(−)	11	LD(−)
5	THERMISTOR	10	LD(+)
6	NC	9	NC
7	NC	8	NC

Electrically shorten LD module and store in non-extreme conditions.
Suggest using the constant current power supply.