

Test Report

Product Name:	1550nm DFB Laser	Test By:	03
P/N:	BNLD-1550-11HSM-FA2	Test Date:	2024/12/25

Temperature: 25°C(20~30°C)

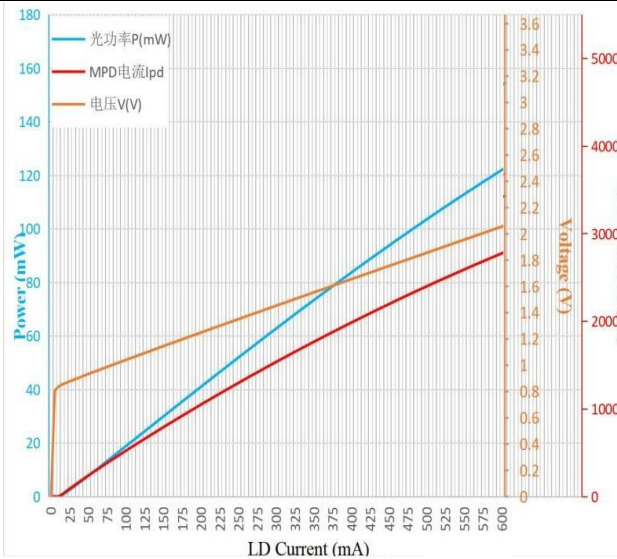
Wavelength range: 1550 ± 2nm

Output power range: ≥100mW

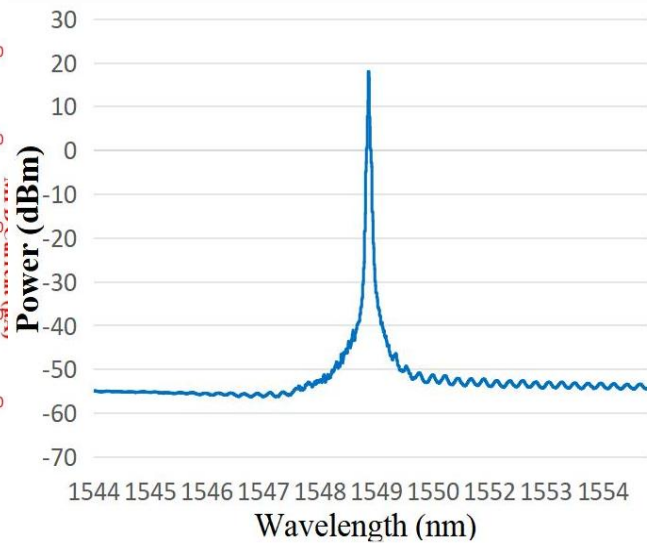
Operating current < 600mA

Pigtail type: SM fiber; FC/APC connector

S/N	TX							
	Center wavelength	Operating current	Threshold current	Bias voltage	Monitor PD current	SMSR	Curr. wave. coefficient	Thermistor resistance
	λp(nm)	I _o (mA)	I _{TH} (mA)	V _f (V)	I _m (uA)	SMSR(dB)	GHz/mA	R(kOhm)
2401842	1549.38	481.00	13.92	1.82	2321.98	67.14	0.285	9.98

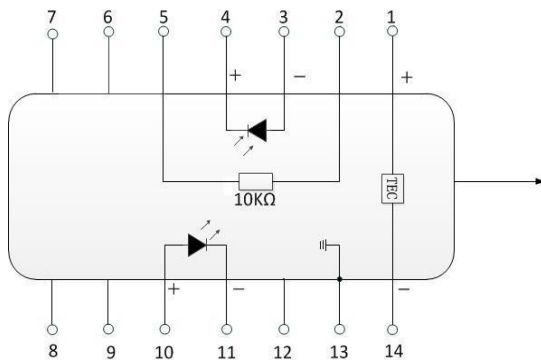


PIV Curve



Optical mapping

PIN Definition:



1	TEC(+)	14	TEC(-)
2	Thermistor	13	Case Ground
3	PD Monitor Anode (-)	12	NC
4	PD Monitor cathode(+)	11	Laser Cathode (-)
5	Thermistor	10	Laser Anode (+)
6	NC	9	NC
7	NC	8	NC

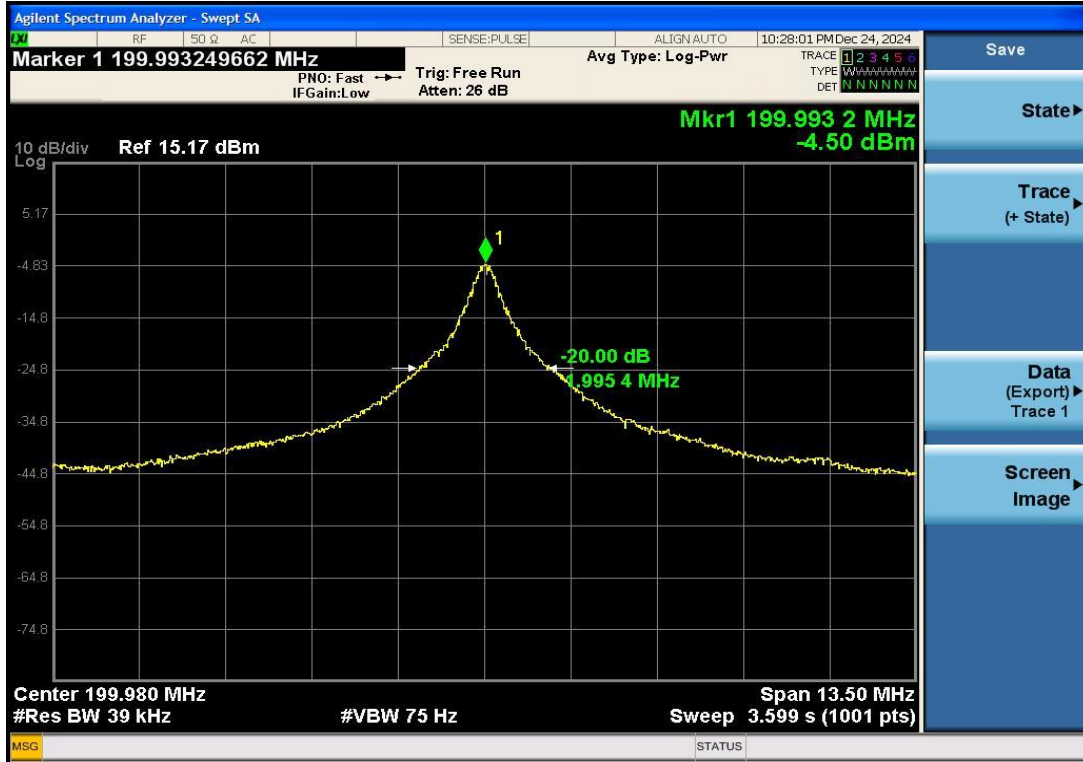
Attention notes

1. The electric sensitive element, please obey the static sensitive element protection
2. Pins is easy to break, please don't bend it for big angle.
3. The fiber is easy to break, when bend the fiber, the radius must is up to 20mm;
4. Ensure the plane of fiber connection is clean, which will influence the function of module.

DFB Linewidth Test Report

Product Name:	1550nm DFB Laser	Test By:	03
S/N:	2401842	Test Date:	2024-12-25

Spectrum analysis:



Linewidth Characteristics:

Name	Unit	Min.	Typ.	Max.	Test Data	Remark
BW	KHz	-	-	100	99.77	500mA, 25°C

Test Schematic Diagram

