Test Report

Product Name:	1625nm DFB Laser	Test By:	03
P/N:	BFLD-1625-10SM-FA	Test Date:	2025/9/19

Temperature: 25℃(15~35℃)

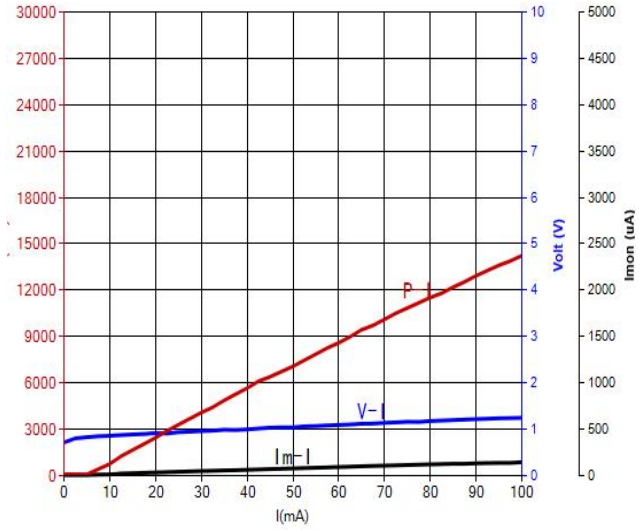
Wavelength range: 1625 ± 3nm

Output power range: ≥10mW

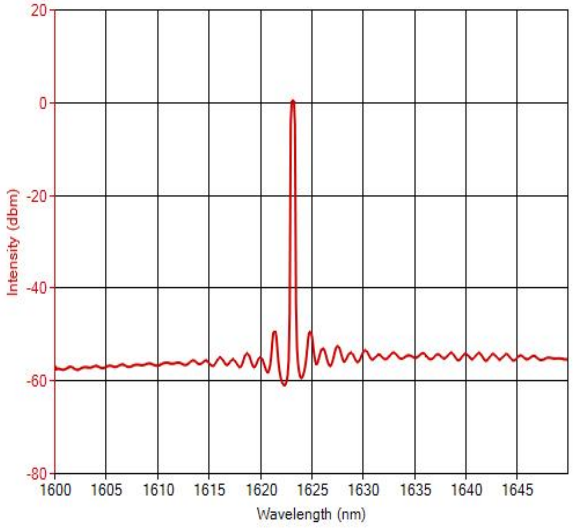
Operating current ≤ 90mA

Pigtail type: SM fiber; FC/APC connector

S/N	TX							
	Center wavelength	Operating current	Threshold current	Bias voltage	Monitor PD currnet	SMSR	TEC Voltage	TEC Current
	λp(nm)	Io(mA)	I_{TH}(mA)	Vf(V)	Im(uA)	SMSR(dB)	V_{TEC}(mV)	I_{TEC}(mA)
2524818001	1623.2	69.32	4.56	1.05	91.00	49.62	-10.00	20.00

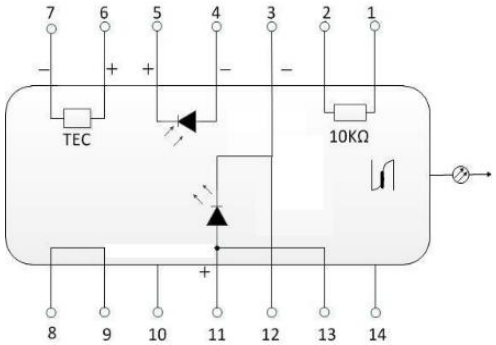


PIV Curve



Optical mapping

PIN Definition:



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

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.