

YSVLD9802-B**LC 1.25G 850nm VCSEL TO****Features:**

- ◆ 850nm VCSEL laser
- ◆ Low threshold
- ◆ High reliability
- ◆ Industry TO-46 package of Slanted Window Cap

Application:

- Optical communication system
- Instruments and Apparatuses

Specification:

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Fiber Test Optical Power	P	I _{op} =6mA	0.7	0.9	-	mW
Emission wavelength	λ	I _{op} =6mA, T=25°C	840	850	860	nm
Spectral bandwidth	$\Delta\lambda$	I _{op} =6mA, RMS	-	-	0.85	nm
Threshold current	I _{th}	I _{op} =6mA, T=25°C	0.4	0.9	1.5	mA
		I _{op} =6mA, T= -5~85°C	0.3	-	1.7	mA
Rise and fall time	Tr/Tf	CW	-	-	0.1	ns
Differential resistance	R _S	I _{op} =6mA	25	50	65	Ω
Monitor Current(PD)	I _m	I _{op} =6mA	50	-	-	μ A
Dark Current(PD)	I _d	-3V, P=0mW	-	-	100	nA

Absolute Maximum Ratings:

Parameter	Symbol	Rating	Unit
Peak Forward Current	I _{F(LD)}	12	mA
Reverse Voltage	V _{R(LD)}	8	V
Operating Temperature	T _{OP}	-10 ~ +75	°C
Storage Temperature	T _{ST}	-40 ~ +85	°C
Lead solder temperature	-	260/10	°C/S
ESD (HBM)	-	0 级, <250	V

Dimensions:

