

650nm 5mW FP Pigtail Laser Diode

1. Features:

- Single mode FP LD;
- Monitor photodiode(Optional);
- TO-18 package;
- High reliability, long life(>5000H);
- Operating temperature range:-20~80℃;
- Telcordia GR-468 reliability test standard.

2. Applications:

- Indication;
- Light pen;
- Printers.

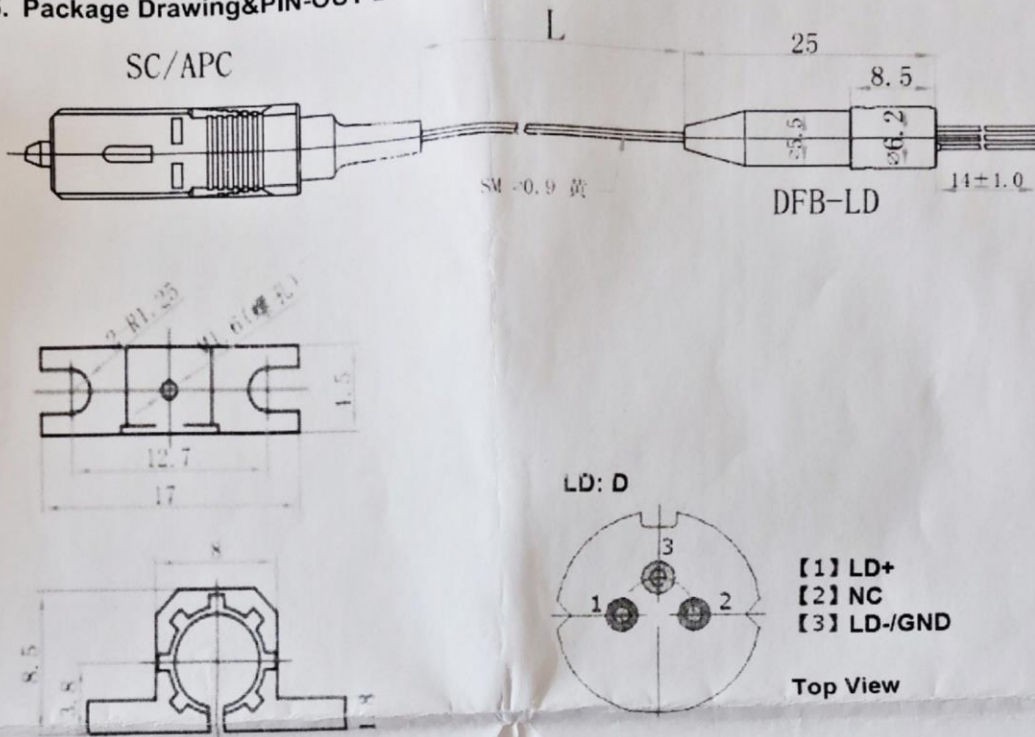
3. Absolute Maximum Ratings (Tc=25℃):

Parameter	Symbol	Ratings	Unit
LD Reverse voltage	V_{RL}	2	V
Beam divergence angle	θ	$\theta_{//} \leq 15^\circ / \theta_{\perp} \leq 40^\circ$	°
Operating case temperature	T_{OP}	-10 ~ +80	℃
Storage Temperature	T_{ST}	-40 ~ +85	℃
Lead soldering(Temperature)/(Time)	-	260/10	℃/Sec

4. Optical-Electro Characteristics:

Parameter	Symbol	Test Condition	Min	Typ.	Max	Unit
Center wavelength	λ_C	$P_{OP} = P_F$	640	650	660	nm
Optical output power	P_F	$I_F = 65mA$	-	5	-	mW
Threshold current	I_{TH}	CW	-	21	-	mA
Operating voltage	V_F	CW	-	2.1	2.5	V
Operating current	I_F	CW	-	-	60	mA

5. Package Drawing&PIN-OUT Definition(Unit:mm):



6. Odering Information
BLD-F65005D-FA

BLD	-X	XX	XX	X	-XX
LD	Chip type	Wavelength	Output power	PIN-OUT	Connector
Laser diode	F: FP	650: 650nm	05: 5mW Other	D: Type D	FA: FC/APC SA: SC/APC Other