



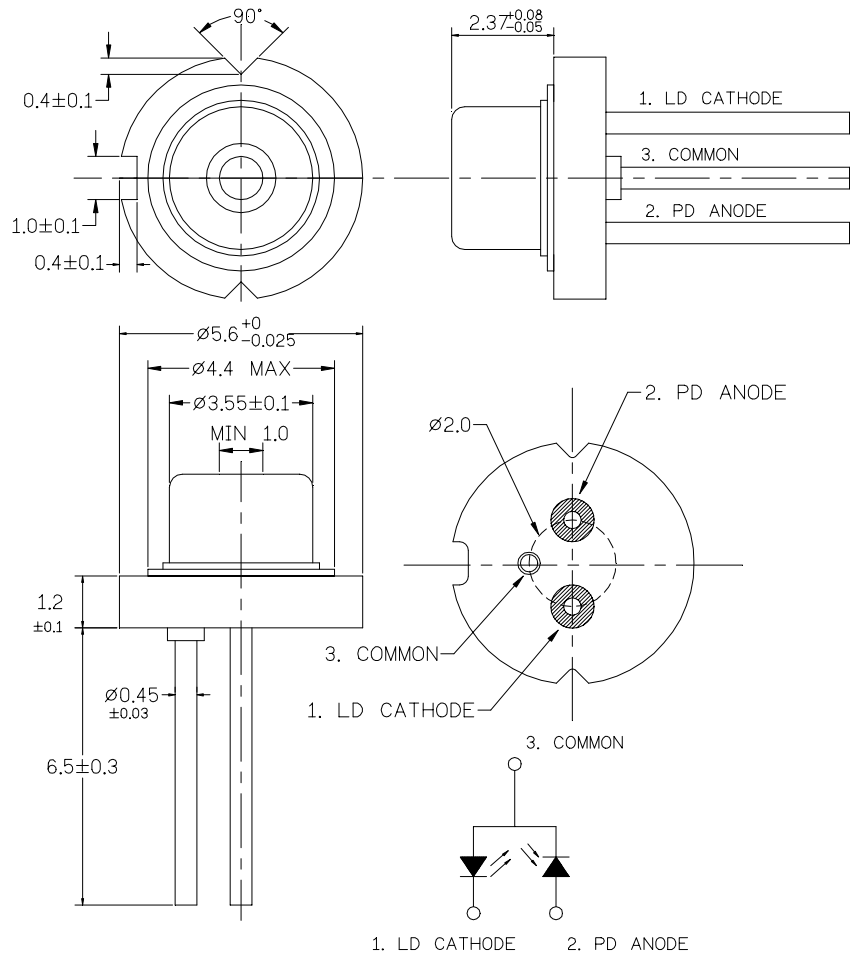
EVERLIGHT ELECTRONICS CO, LTD.

MODEL NO : EL65-18-8

Device Number : DLD-650-000 REV : 1.0

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■ PACKAGE DIMENSIONS :



■ 應用例 :

1. 工程量測
2. 雷射指示器
3. 條碼掃描器
4. 舞台效果設計
5. 分析用

NOTES:

1. All dimensions are in millimeters.
2. Header material is SPC.
3. Lead material is FeNi.
4. TO-cap material is kovar, glass window.

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http: [//www.everlight.com](http://www.everlight.com)



■ Optical & Electrical Characteristics (Tc=25°C)

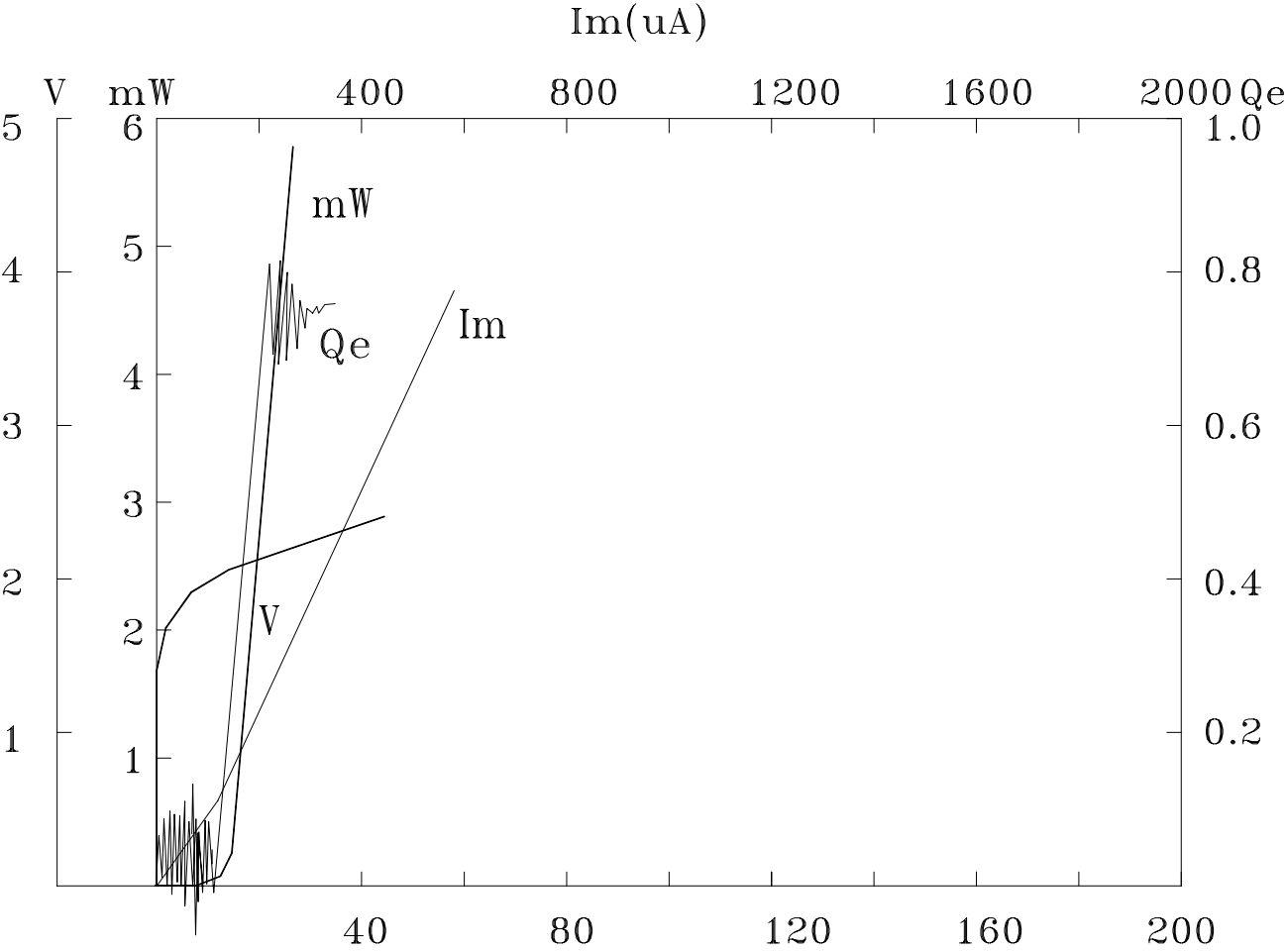
CHARACTERISTICS	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Threshold Current	I _{th}		-	20	35	mA
Output Power	P _o	Kink free	-	-	5	mW
Operating Current	I _{op}	P _o =5mW	-	28	50	mA
Slope Efficiency	η	2mW/[I(5mW) - I(3mW)]	0.2	0.7	1.0	W/A
LD Operating Voltage	V _{op}	P _o =5mW	-	2.1	2.5	V
Lasing Wavelength	λ _p	P _o =5mW	640	650	660	nm
Beam Divergence	θ _⊥	P _o =5mW,FWHM	-	35	-	deg
	θ _∥	P _o =5mW,FWHM	-	8	-	deg
Monitor Current	I _m	P _o =5mW	-	500	-	uA

■ Absolute Maximum Ratings (Tc=25°C)

CHARACTERISTICS	SYMBOL	RATED VALUE	UNIT
Optical Output Power	P _o	7	mW
LD Reverse Voltage	V _r (LD)	2	V
PD Reverse Voltage	V _r (PD)	10	V
Operation Temperature	T _{op}	-10~40	°C
Storage Temperature	T _{stg}	-40~80	°C



■ CURVE :



Injection current(mA)

Iop : 28	Ith : 21	Im : 430	Vop : 2.3
Qe : 0.7	Rs : 8.2	No : 1	Mode: : DC
Kink : -	Result OK	-----	-----