

ELITE ADVANCED LASER CORPORATION
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產品規格書 (Data Sheet)

型號 : ELD65A5-1

腳位 : AN

等級 :

版本 : Version B

Customer Approval By:

ELD65A5-1 (Version B)



- Applications :
Laser Pointer
- Special Features
 - (1) Low threshold current with strained multi-quantum well structure.
 - (2) Maximum operating temperature of 50 .
- Absolute maximum ratings (Tc=25)

Parameter		Symbol	Limit	Unit
Output Power		Po	7	mW
Reverse Voltage	Laser	$V_{R(LD)}$	2	V
	PIN photodiode	$V_{R(PIN)}$	30	V
Operating temperature		Top	-10~+50	
Storage temperature		Tstg	-40~+85	

- Electrical and optical characteristics (Tc=25)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Threshold Current	Ith	-	15			-
Operating Current	Iop	-	20	25	mA	Po=5mW
Operating Voltage	Vop	-	2.1	2.6	V	Po=5mW
Differential Efficiency			0.9	-	mW/mA	Po=3-5mW
Monitor Current	Im	25	100	800	uA	Po=5mW, VR(PIN)=15V
Parallel Divergence angle	//*	6	8	16	deg	
Perpendicular Divergence Angle	*	25	38	45	deg	Po=5mW
Peak Wavelength		645	650	660	nm	Po=5mW

* // and * are defined as the angle within which the intensity is 50% of the peak value.

*Transverse side mode intensity is less than 5% of the peak value.

- Im Classification:

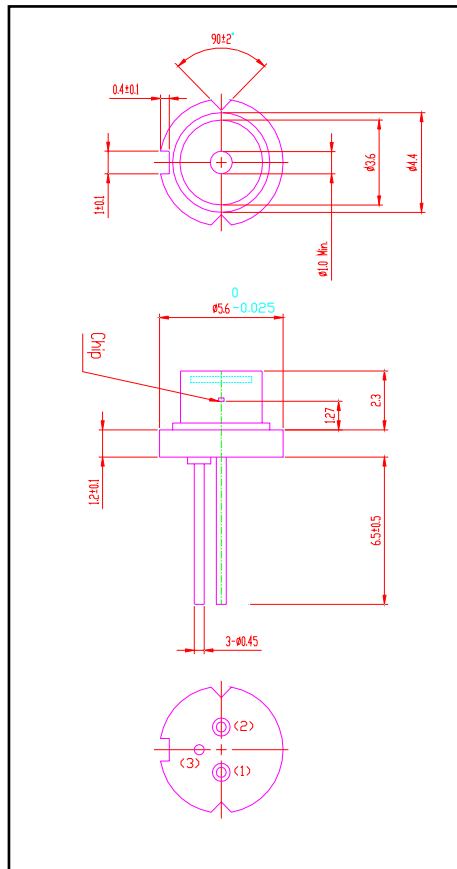
Type	A	B	C	D	E
Range (uA)	25 - 50	50 - 100	100 - 200	200 - 400	400 - 800

- Judgment of Light shape :
 - a. Check by visual inspection after focus by lens.
 - b. Light dot diameter <15mm at 15 meter from light source.
- Package and lead configuration please refer to our drawing.
- Customized product is welcomed.

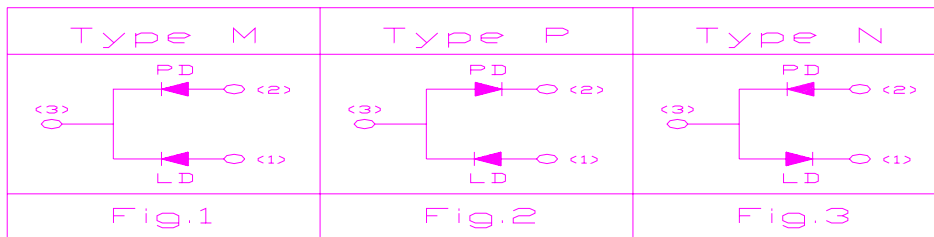
65A5-1 (Version B)

Package and Lead Configuration

- Package Drawing: Type A



- Lead Configuration:



Typical Characteristics of ELD65A5-1 (Version B)

