

ELITE ADVANCED LASER CORPORATION
聯鈞光電股份有限公司

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產品規格書 (Data Sheet)

型號 : ELD65A5-3

腳位 : AN

等級 :

版本 : Version B

Customer Approval by:

ELD65A5-3 (Version B)



- Applications
 - Bar Code Reader
 - Industrial Module
 - 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	-	21	30	mA	-
Operating Current	Iop	-	28	35	mA	Po=5mW
Operating Voltage	Vop	-	2.2	2.6	V	Po=5mW
Differential Efficiency		-	0.6	-	mW/mA	Po=3-5mW
Monitor Current	Im	25	100	800	uA	Po=5mW, VR(PIN)=5V
Parallel Divergence angle	//*	6	8	12	deg	Po=5mW
Perpendicular Divergence Angle	*	25	33	40	deg	
Parallel Deviation Angle	//	-3	-	+3	deg	
Perpendicular Deviation Angle		-3	-	+3	deg	
Emission Point Accuracy	X	-80	-	+80	μ m	Po=5mW
	Y					
	Z					
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:

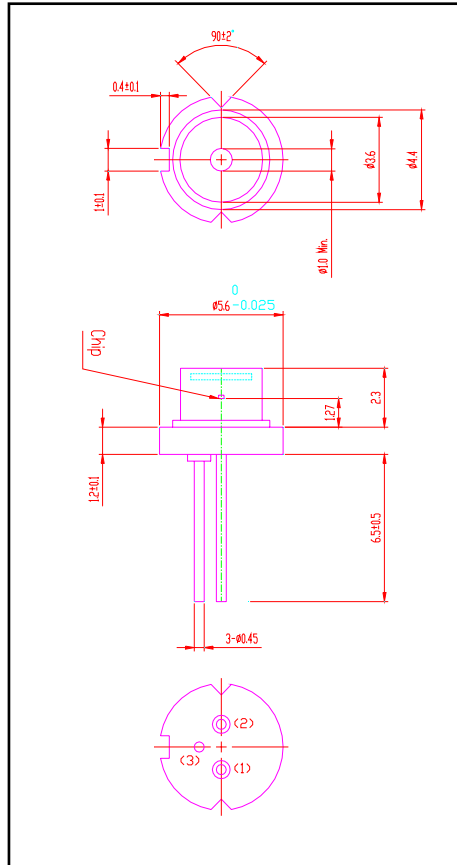
Type	A	B	C	D	E
Range (uA)	25 – 50	50 –100	100 – 200	200 – 400	400 - 800

- Package and lead configuration please refer to our drawing.
- We can also make per your specification request. Please contact our sales.

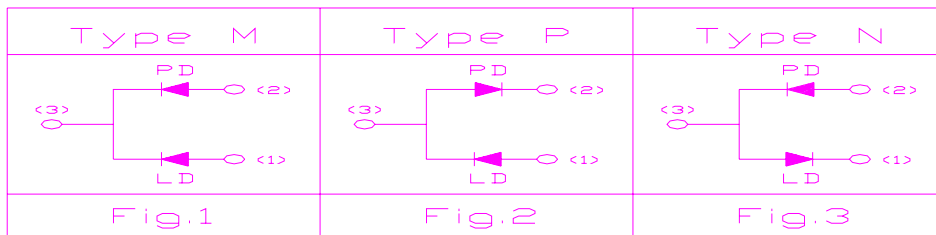
65A5-3 (Version B)

Package and Lead Configuration

- Package Drawing: Type A



- Lead Configuration:



Typical Characteristics of ELD65A5-3 (Version B)

