

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

型號 : ELD63A5

腳位 : AN

等級 :

版本 : Version B

Customer Approval By:

ELD63A5 (Version B)



- Applications :
 High-end laser pointer
 Industrial applications
 Bar-code scanner
- Special Features
 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	I _{th}	-	27	35	mA	-
Operating Current	I _{op}	-	38	45	mA	Po=5mW
Operating Voltage	V _{op}	-	2.2	2.5	V	Po=5mW
Differential Efficiency		0.35	0.5	-	mW/mA	Po=3-5mW
Monitor Current	I _m	5	100	200	uA	Po=5mW, V _{R(PIN)} =5V
Parallel Divergence angle	//*	6	8	12	deg	
Perpendicular Divergence Angle	*	24	28	37	deg	Po=5mW
Peak Wavelength		-	635	640	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.

- I_m Classification:

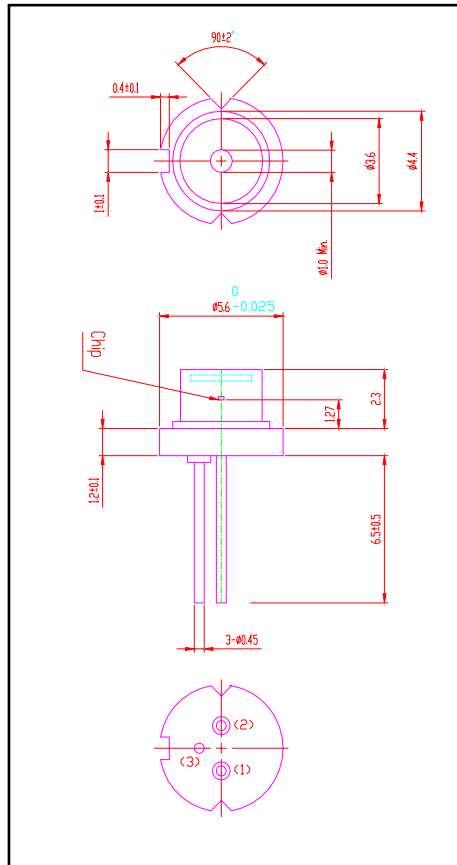
Type	A	B	C
Range (uA)	25 – 50	50 – 100	100 – 200

- Package and lead configuration please refer to our drawing.
- Customized product is welcome.

63A5 (Version B)

Package and Lead Configuration

- Package Drawing: Type A



- Lead Configuration:

