

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

型號 (Model number) : ELD66C5

腳位 (Type) : AP

ELD66C5

- Applications
 - Industrial Module



- Special Features
 - (1) High optical power with strained multi-quantum well structure.
 - (2) Maximum operating temperature of 50 °C.

- Absolute maximum ratings (Tc=25 °C)

Parameter		Symbol	Limit	Unit
Output Power		Po	25	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 °C)

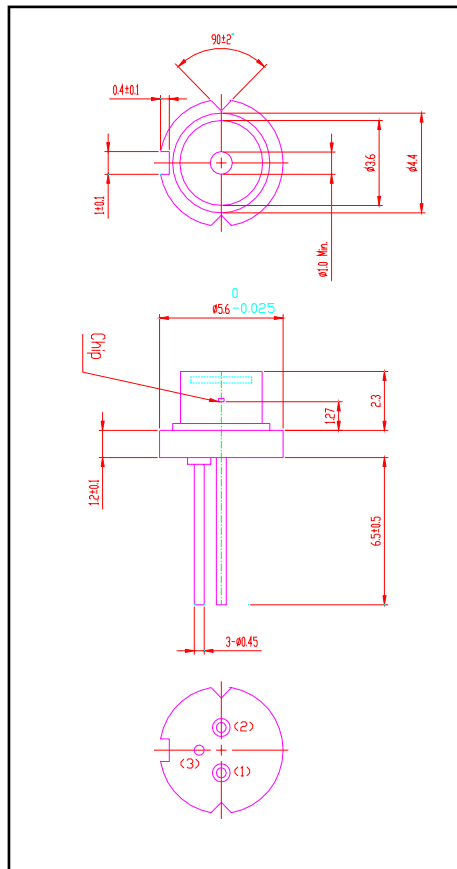
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Threshold Current	Ith	-	45	70	mA	-
Operating Current	Iop	-	75	100	mA	Po=20mW
Operating Voltage	Vop	-	2.5	3.0	V	Po=20mW
Differential Efficiency		-	0.7	-	mW/mA	Po=10-20mW
Monitor Current	Im	0.05	0.2	1	mA	Po=20mW $V_{R(PIN)}=5V$
Parallel Divergence angle	//*	6	8	12	deg	Po=20mW
Perpendicular Divergence Angle	*	17	22	26	deg	
Parallel Deviation Angle	//	-3	-	+3	deg	
Perpendicular Deviation Angle		-3	-	+3	deg	
Emission Point Accuracy	X	-80	-	+80	μm	Po=20mW
	Y					
	Z					
Peak Wavelength		655	660	665	nm	Po=20mW

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

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

Package and Lead Configuration

- Package Drawing: Type A



- Lead Configuration:

