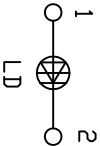
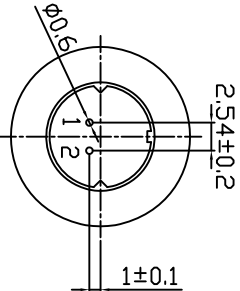
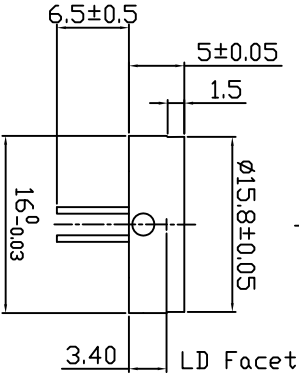
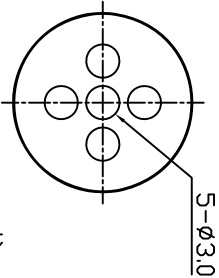


ABSOLUTE MAXIMUM RATINGS

ITEM	Symbol	Absolute maximum Ratings	Unit
Forward Current(Tc=25℃)	I _f	2.8	A
Allowable Reverse Current(Tc=25℃)	I _r (LD)	100	mA
Storage Temperature	T _{stg}	-20~80	℃
Operating Case Temperature	T _c	0~50	℃

INITIAL ELECTRICAL/OPTICAL CHARACTERISTICS (Tc=25°)

ITEM	Symbol	Min	Typ.	Max	Unit
Optical Output Power	P _o	-	-	3.5	W
Dominant Wavelength	λ _d	445	450	460	nm
Threshold Current	I _{th}	-	300	-	mA
Slope Efficiency	η	-	1.5	-	W/A
Operating voltage	V _{op}	-	4.5	-	V
Beam Divergence*	Parallel θ _{//}	8	15	22	deg
	Perpendicular θ _⊥	37	45	53	deg
Beam Pointing Accuracy	Δθ _⊥	-3	0	+3	deg



1.LD Anode
2.LD Cathode

SEÁN & STEPHEN CORPORATION

File Name	450nm/3.5W	DESIGNED BY	DALE	TOLERANCE	±0.05						
PART NAME	LD spec	CHECKED BY		MATERIAL			NO.	REV. DATE	REVISION NOTE	SIGNATURE	CHECK
PART NO.		APPROVED BY	2014/3/3	FINISH	mm	SCALE	F:t				
		RELEASE DATE		UNIT		SHEET	1/1	A4	REVISION CHART		