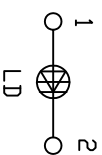
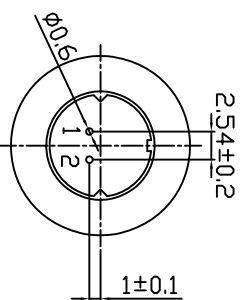


Technical drawing of a circular part. The drawing shows a large circle with a central hole and four smaller holes arranged in a cross pattern. A dimension line points to the central hole with the label 5-φ3.0.

ITEM	Symbol	Absolute maximum Ratings	Unit
Forward Current(Tc=25℃)	If	1.6	A
Allowable Reverse Current(Tc=25℃)	Ir(LD)	100	mA
Storage Temperature	Tstg	-20~80	℃
Operating Case Temperature	Tc	0~40	℃

Technical drawing of the LD Facet of a laser diode. The drawing shows a cross-section with dimensions: 6.5 ± 0.5, 5 ± 0.05, 1.5, 16 ± 0.03, 3.40, and Ø15.8 ± 0.05. A circle is drawn on the right side, labeled 'LD Facet'.



1.LD Anode
2.LD Cathode

ITEM	Symbol	Min	Typ.	Max	Unit
Optical Output Power	P _o	-	1.0	-	W
Dominant Wavelength	λ _d	510	520	530	nm
Threshold Current	I _{th}	-	0.35	-	mA
Slope Efficiency	η	-	0.82	-	W/A
Operating voltage	V _{op}	-	4.6	-	V
Beam Divergence*	Parallel	7	12	20	deg
	Perpendicular	37	45	53	deg
Beam Pointing Accuracy	Δ θ ⊥	-6.0	-	6.0	deg



**SEAN & STEPHEN
CORPORATION**

File Name	520mm/1W	DESIGNED BY	DALE	TOLERANCE	± 0.05							
		CHECKED BY		MATERIAL								
PART NAME	LD spec	APPROVED BY		FINISH		SCALE	Fit	NO.	REV. DATE	REVISION NOTE	SIGNATURE	CHECK
PART NO.		RELEASE DATE	2014/3/10	UNIT	mm	SHEET	1/1 A4	REVISION CHART				