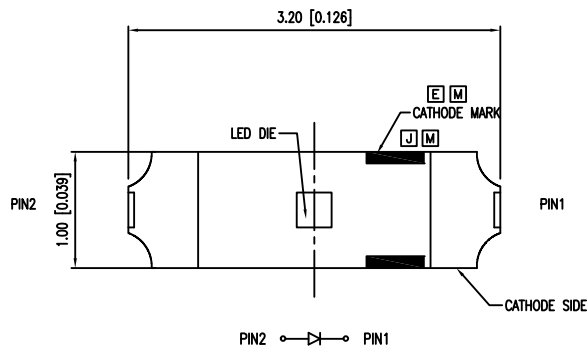
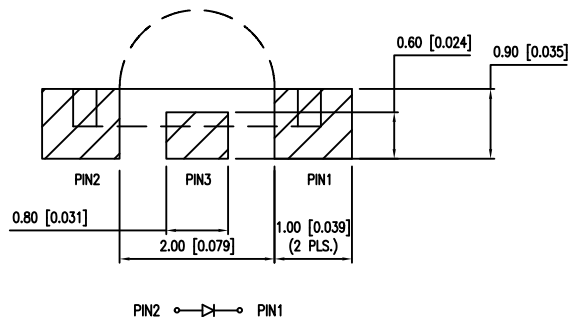


[M] [H] RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER	SML-LXR85YC-TR	REV.	M
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
08.23.96	E.C.N. #10230.		A
10.24.96	E.C.N. #10263.		B
05.02.97	E.C.N. #10338.		C
07.22.97	E.C.N. #10366.		D
09.19.97	E.C.N. #10380.		E
10.15.97	E.C.N. #10BRDR.		F
03.05.98	E.C.N. #10419.		G
10.23.98	E.C.N. #10471.		H
07.18.00	E.C.N. #10644.		I
07.30.01	E.C.N. #10BRDR.		J
08.12.05	E.C.N. #11248.		K
03.18.11	E.C.N. #10BRDR.		L
10.23.16	ECN-Lumex201600075		M

[M] [I] ELECTRO-OPTICAL CHARACTERISTICS TA =25°C

PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		583		nm	
FORWARD VOLTAGE		2.2	2.6	Vf	If=20mA
REVERSE VOLTAGE			5.0	Vr	Ir=10μA
LUMINOUS INTENSITY		7.15		mcd	If=20mA
VIEWING ANGLE(X)		140		2x theta	
VIEWING ANGLE(Y)		116		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				

[M] [I] LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PEAK FORWARD CURRENT**	I _p	40	mA
FORWARD CURRENT	I _f	20	mA
POWER DISSIPATION	P _D	48	mW
OPERATING TEMP.	T _{OPR}	-40 TO +85	°C
STORAGE TEMP.	T _{STG}	-40 TO +100	°C

* t<10μs

[L] CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION



425 N. GARY AVE
CAROL STREAM, IL 60188
PHONE: 800-278-5666
FAX: 630-315-2152
WEB: WWW.LUMEX.COM

0.5mm x 3.2mm PCB, RIGHT ANGLE SURFACE MOUNT LED, 585nm, YELLOW WATER CLEAR LENS, 3K PER REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE:	10.24.16	DRAWN BY:	KY
PAGE:	1 OF 2	CHKD BY:	GY
SCALE:	NTS	APRVD BY:	RC
UNIT:	mm [INCH]		Ⓟ