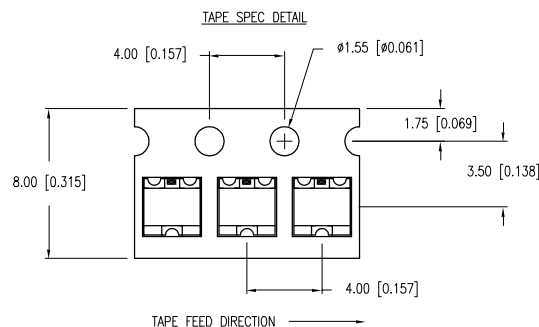
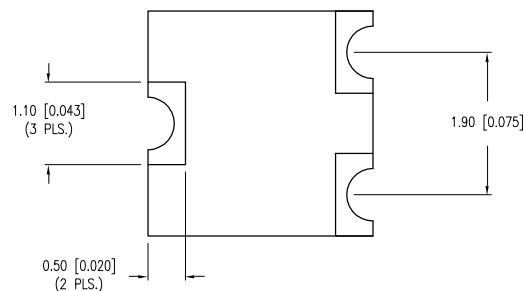
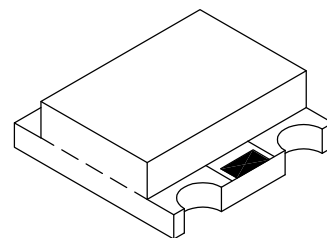
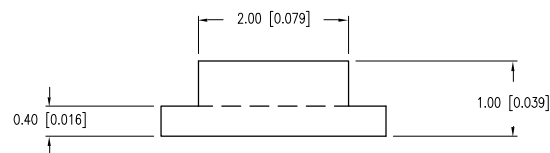
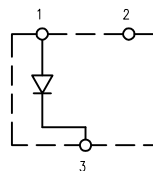
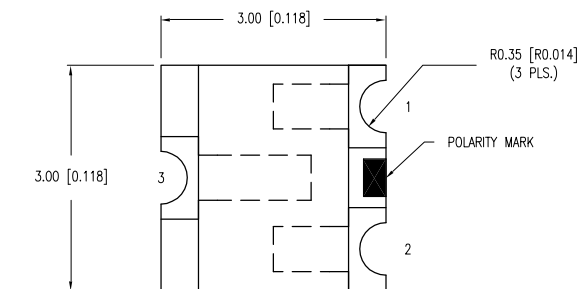
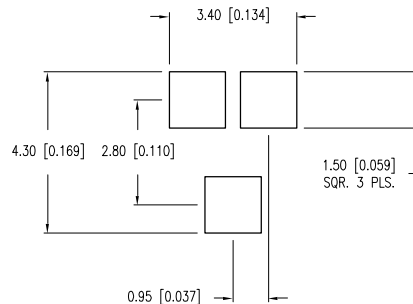




RECOMMENDED PAD LAYOUT



PART NUMBER	SML-LX15GC-RP-TR	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
03.14.03	E.C.N. #10967.	A	
07.03.03	E.C.N. #11010.	B	
11.30.05	E.C.N. #11148.	C	
11.28.06	E.C.N. #11361.	D	
05.02.08	E.C.N. #11501.	E	

ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.1	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		10		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

* $t < 10\mu\text{s}$

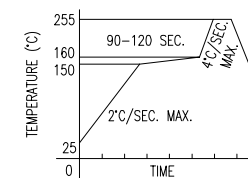
NOTES:

1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

LEAD FREE REFLOW PROFILE

10 SEC. MAX.

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

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

LUMEX
Creating LED and LCD Solutions Together™

290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

SOT-23 REPLACEMENT, SML 565nm GREEN LED, REVERSE POLARITY, WATER CLEAR LENS, TAPE AND REEL.

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

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DATE: 02.21.01 DRAWN BY: JC

PAGE: 1 OF 1 CHKD BY: JD

SCALE: N/A APRVD BY: KF

UNIT: mm [INCH] (R) (C)