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Stocking Distributor

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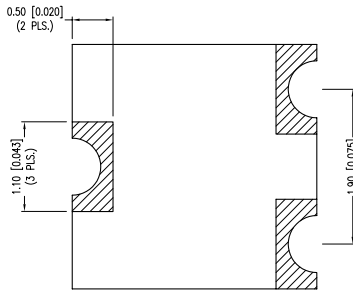
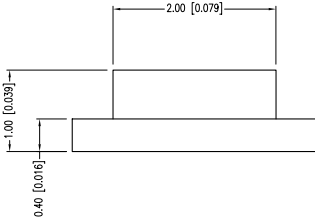
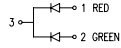
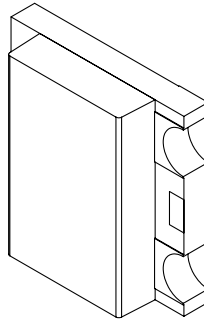
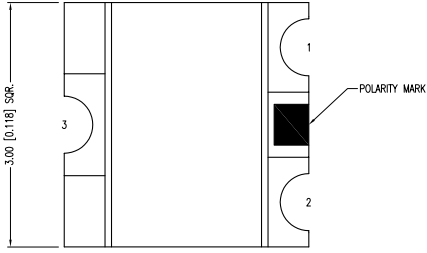
[Lumex, Inc.](#)
[SML-LX15IGC-RP-TR](#)

For any questions, you can email us directly:

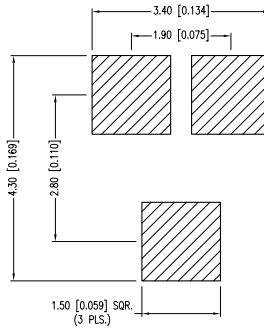
sales@integrated-circuit.com

UNCONTROLLED DOCUMENT

PART NUMBER	SML-LX15IGC-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
05.04.12	E.C.N. #11819 & #10BRDR. & REDRAWN.		E



RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND.
PEAK WAVELENGTH (R/G)		635/565		nm	
FORWARD VOLTAGE (R/G)		2.0/2.2	2.5/2.6	Vf	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			Vr	$I_f=20\text{mA}$
AXIAL INTENSITY		10		mod	
VIEWING ANGLE		140		$2x$ theta	
EMITTED COLOR:	RED/GREEN				
LENS FINISH:	WATER CLEAR				

[D] LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT (R/G)	30/25	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

[E] CAUTION: MOISTURE SENSITIVE DEVICE
 PER JEDEC LEVEL 3 STANDARDS

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

UNCONTROLLED DOCUMENT



290 E. HELEN ROAD
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 WEB: WWW.LUMEX.COM
 MEMBER OF ITW PHOTONICS GROUP

SOT-23 REPLACEMENT, SMT LED, 635/565nm RED/GREEN, REVERSE POLARITY, WATER CLEAR, TAPE & REEL.

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

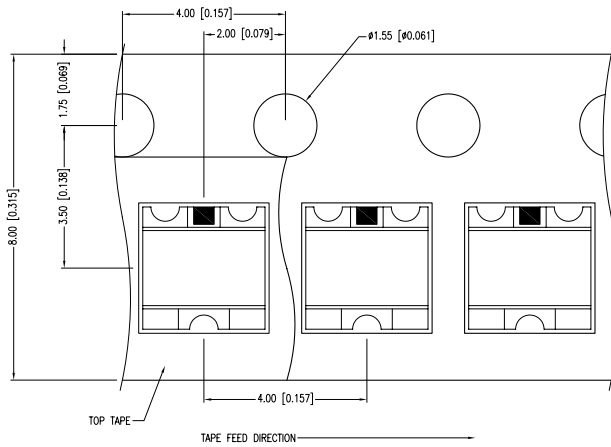
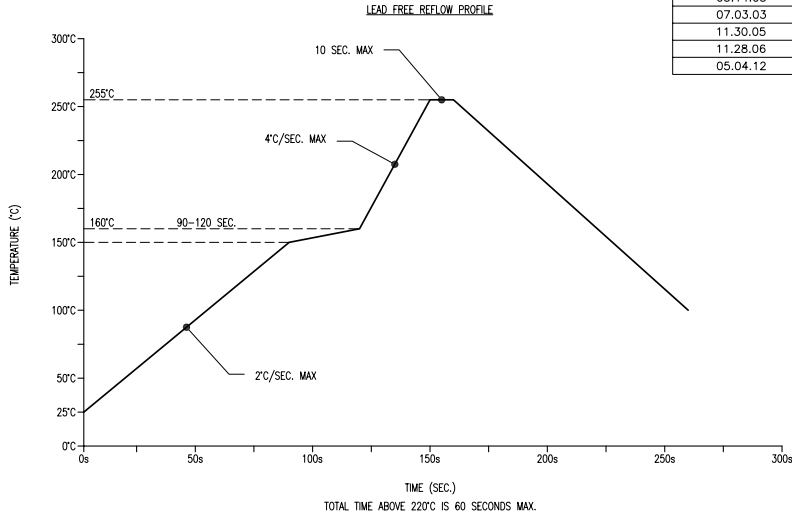
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SCALE:	NTS	APRVD BY:	DT
UNIT:	mm [INCH]		

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NOTES:

1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
2. 3,000 PIECES PER REEL.

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