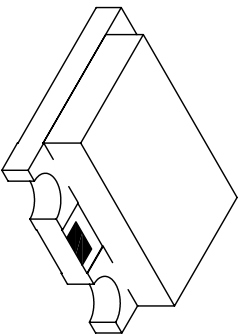
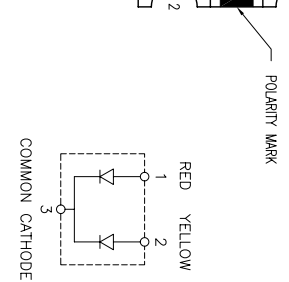




**THE DATASHEET OF  
SML-LX15IYC-RP-TR**



PART NUMBER	SML-LX151YC-RP-TR	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
3.14.03	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	
05.22.08	E.C.N. #11501.	E	



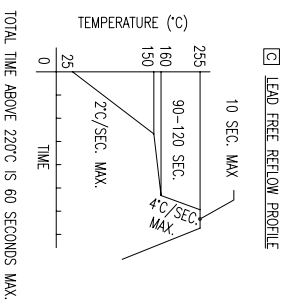
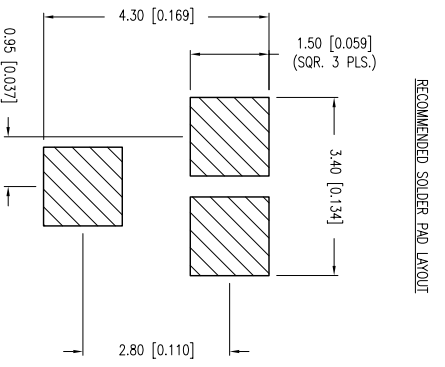
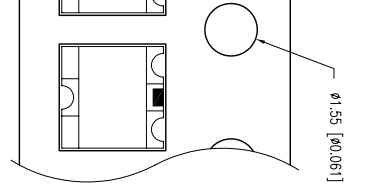
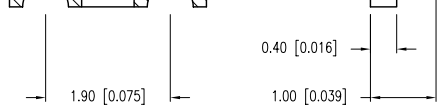
ELECTRO-OPTICAL CHARACTERISTICS I<sub>A</sub>=25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
		585 (YELLOW)		nm	
FORWARD VOLTAGE (V <sub>F</sub> )		2.0/2.1	2.5	V <sub>F</sub>	I <sub>F</sub> =100µA
REVERSE VOLTAGE	5.0			V <sub>R</sub>	I <sub>F</sub> =20mA
AXIAL INTENSITY		10		mcđ	
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:		RED/YELLOW			
EPOXY LENS FINISH:		WATER CLEAR LENS			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	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

\* I<10µS



CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 3 STANDARDS

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

X+H1 (+0.039), X+H0.5 (+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=-0.00, DECIMAL PRECISION MAX.=+0.00, DECIMAL PRECISION UNCONTROLLED DOCUMENT

HELEN ROAD  
E. I. 60067-6976  
+1.847.359.2790  
WWW.LUMEX.COM

SOT-23 REPLACEMENT, SMT LED, 635nm RED/585nm YELLOW BICOLOR LED, WATER CLEAR, REVERSE POLARITY.

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

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DATE: 11.28.06 DRAWN BY: JC  
PAGE: 1 OF 1 CHKD BY: --  
SCALE: APPROV BY: --  
UNIT: mm [INCH]

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- ⊖ [View SML-LX15IYC-RP-TR on WIN SOURCE](#)
- ⊖ [Lumex Opto/Components Inc. Information](#)

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- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management