

DATE E.C.N. NUMBER AND REVISION COMMENTS 03.14.03 E.C.N. #10967. 07.03.03 E.C.N. #11010. 11.30.05 E.C.N. #11148. 11.28.06 E.C.N. #11361. 05.20.08 E.C.N. #11501.

PART NUMBER

ELECTRO-OPTICAL CHAP	RACTERISTICS	T _A =25°C	$I_{f} = 20$	lmA	
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		605 (AMBER	?)	nm	
		565 (GREEN	I)	nm	
FORWARD VOLTAGE (A/C	G)	2.0/2.2	2.5/2.6	٧f	
REVERSE VOLTAGE	5.0			٧r	I _r =100μΑ
AXIAL INTENSITY		10		mcd	lf = 20mA
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	AMBER/GREE	ΞN			
EPOXY LENS FINISH:	WATER CLEA	R			

SML-LX15AGC-RP-TR

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В

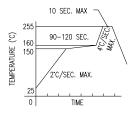
C

D

LIMITS OF SAFE OPERATION	AT 25°C		
PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		160	mA
STEADY CURRENT	(A/G)	30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/*C
© OPERATING, STORAGE TEMP.		- 40 TO +85	·c

* t<10µS

C LEAD FREE REFLOW PROFILE

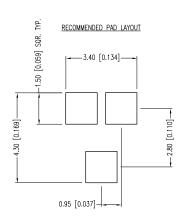


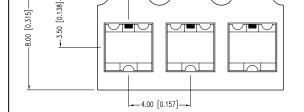
TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

NOTES:

 THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS





TAPE FEED DIRECTION-

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

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SOT-23 REPLACEMENT, SURFACE MOUNT LED, 605nm AMBER/565nm GREEN LED, REVERSE POLARITY, WATER CLEAR.

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

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