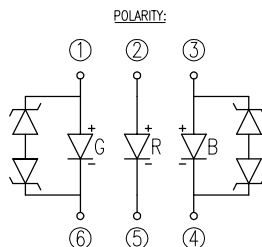
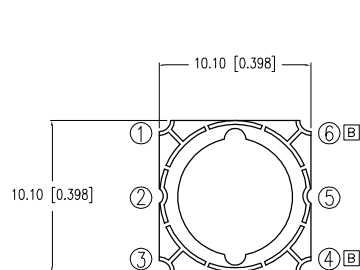


PART NUMBER	SML-LX3939RGC-TR	REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
10.07.09	E.C.N. #11588		A
04.23.10	E.C.N. #11635		B

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

PARAMETER	COLOR	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			626		nm	
			525		nm	
			470		nm	
FORWARD VOLTAGE	(R)		2.1	2.65	V_f	$I_f = 350\text{mA}$
	(G)		3.5	3.85	V_f	$I_f = 350\text{mA}$
	(B)		3.5	3.85	V_f	$I_f = 350\text{mA}$
REVERSE VOLTAGE		5.0			V_r	$I_r = 100\mu\text{A}$
TOTAL FLUX	(R/G/B)		25/35/8		lm	
VIEWING ANGLE			130		$2 \times \theta$	
EMITTED COLOR:	RED/GREEN/BLUE					
EPOXY LENS FINISH:	WATER CLEAR					

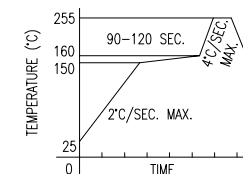
LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER		MAX	UNITS
PEAK FORWARD CURRENT*	(R/G/B)	550/500/500	mA
STEADY CURRENT	(R/G/B)	350	mA
LED JUNCTION TEMPERATURE	(R/G/B)	125	$^\circ\text{C}$
POWER DISSIPATION		5	W
OPERATING TEMP.		-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY		3	SEC. MAX

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

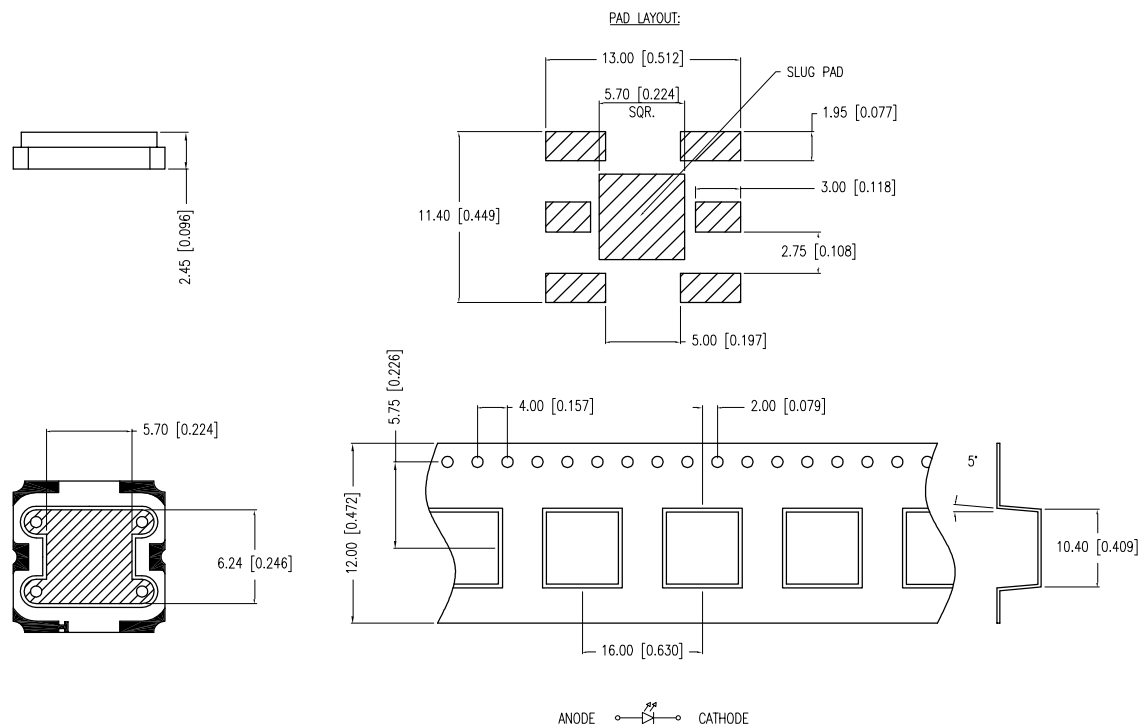
LEAD FREE REFLOW PROFILE

10 SEC. MAX.

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS



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



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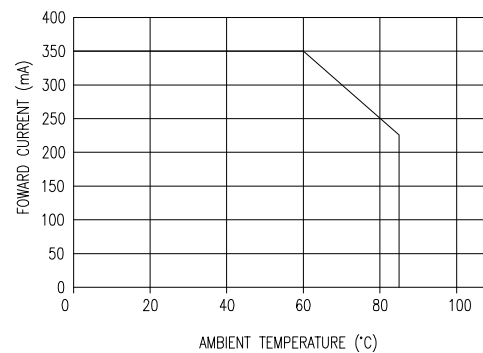
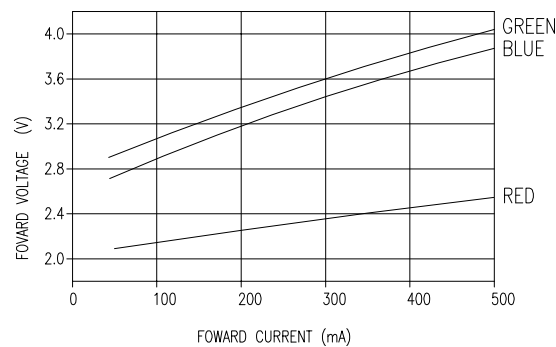
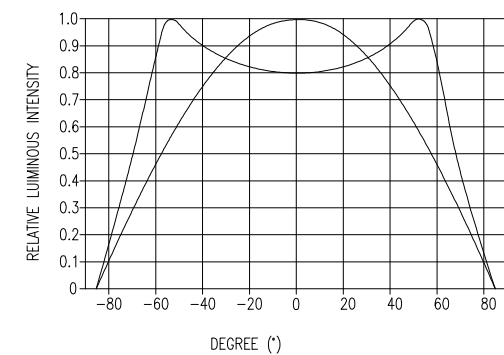
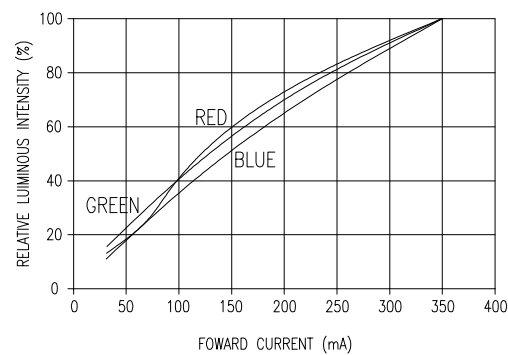
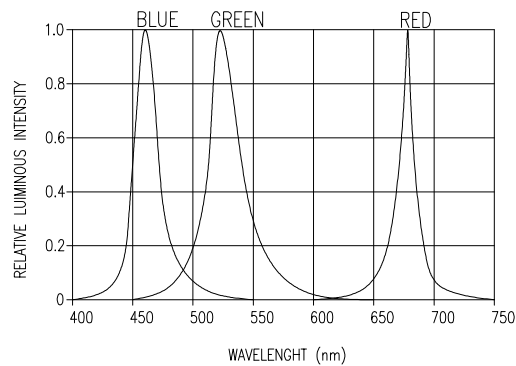
10.10mm SQUARE 3 WATT HIGH POWER SMT LED, R/G/B LED, WATER CLEAR LEN, 300 PER PEEL

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

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DATE: 04.27.10	DRAWN BY: JR
PAGE: 1 OF 2	CHKD BY: SS
SCALE: N/A	APRVD BY: KF
UNIT: mm [INCH]	

PART NUMBER	SML-LX3939RGBC-TR	REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
	SEE PAGE 1		



*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} -0.00 MAX.= ^{+0.00} -DECIMAL PRECISION



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SCALE: N/A	APRVD BY: KF
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