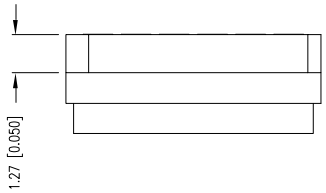
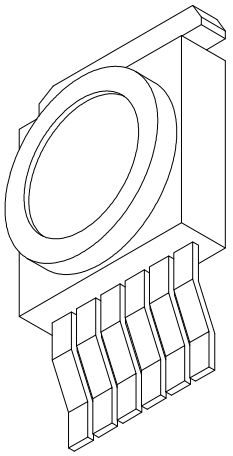
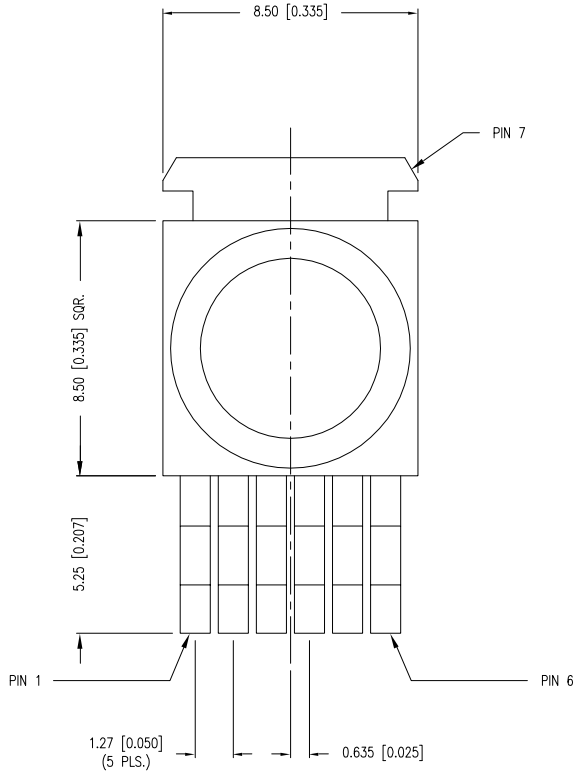
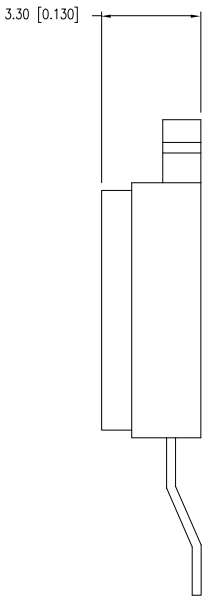
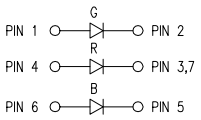
PART NUMBER	SML-LX1616RGBW/A	REV.	-



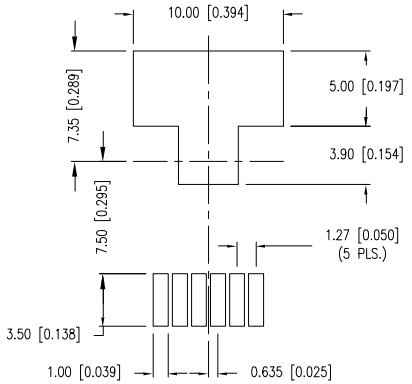








SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C

PARAMETER		MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			626 (RED)		nm	
			525 (GREEN)		nm	
			470 (BLUE)		nm	
FORWARD VOLTAGE	(R)	2.07		2.79	V_f	I_f=300mA
	(G)	3.03		3.99	V_f	I_f=350mA
	(B)	3.03		3.99	V_f	I_f=350mA
REVERSE VOLTAGE		5.0			V_r	I_r=100uA
LUMINOUS FLUX	(R)		25		lm	I_f=300mA
	(G)		45		lm	I_f=350mA
	(B)		9.5		lm	I_f=350mA
VIEWING ANGLE			110		2x theta	
EMITTED COLOR:	RED/GREEN/BLUE					
EPOXY LENS FINISH:	WHITE DIFFUSED					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/G/B)	350/500/500	mA
STEADY CURRENT	(R/G/B)	300/350/350	mA
POWER DISSIPATION		100	mW
OPERATING TEMP.		-30 TO +85	°C
STORAGE TEMP.		-40 TO +120	°C

* t<10uS

THERMAL PARAMETER TABLE

PARAMETER	COLORS	TYP	MAX	UNITS	TEST COND
THERMAL RESISTANCE	(R)	11		°C/W	I_f=300mA
	(G)	10		°C/W	I_f=350mA
	(B)	10		°C/W	I_f=350mA
JUNCTION TEMPERATURE			120	°C	

NOTES:

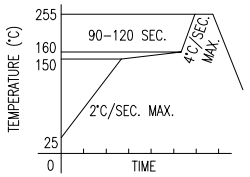
1. 50 PCS. IN EACH TUBE.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

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

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=±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

UNCONTROLLED DOCUMENT

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8.5x8.5mm HIGH POWER LED, RGB LED'S, 6 LEADS

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

DATE:	08.19.10	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	BC
SCALE:	N/A	APRVD BY:	KF
UNIT:	mm [INCH]		