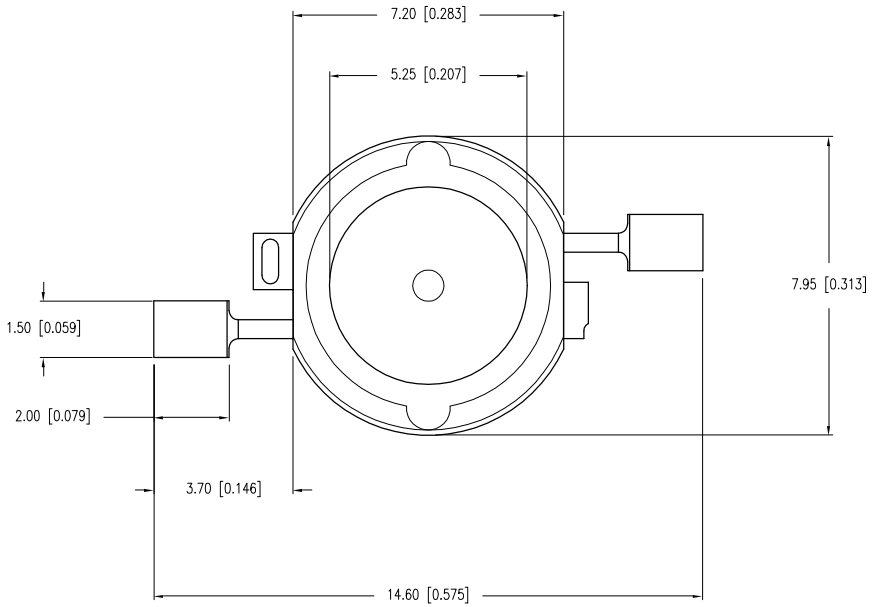
PART NUMBER	SML-LXL705SIC	REV.	



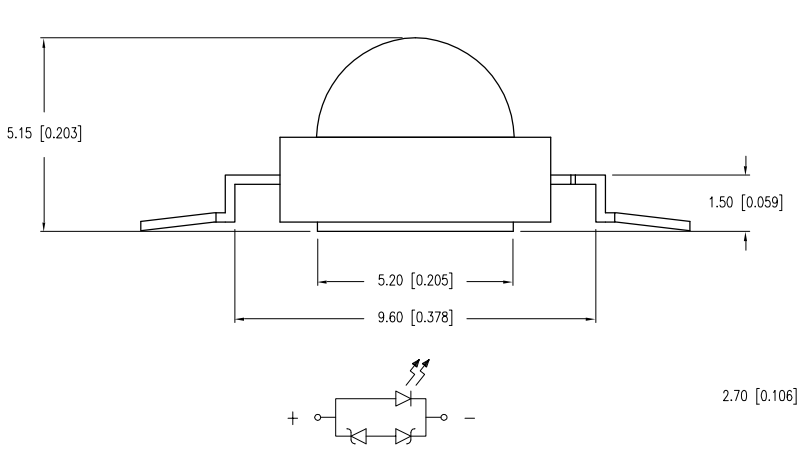
ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C I_f=350mA

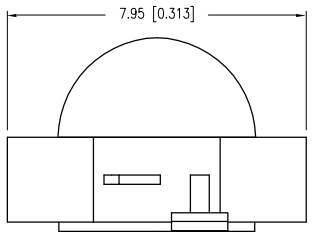
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		625		nm	
FORWARD VOLTAGE	2.05		2.95	V_f	I_f = 350mA
REVERSE VOLTAGE	5.0			V_r	I_r =100µA
AXIAL INTENSITY	39	45		Im	I_f = 350mA
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

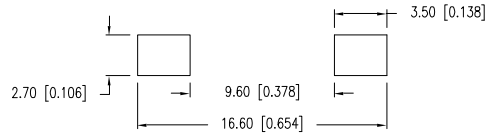
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	500	mA
STEADY CURRENT	400	mA
POWER DISSIPATION	1.0	mW
DERATE FROM 25°C	- 1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +100	°C

* t<100µS, DUTY CYCLE = 0.25

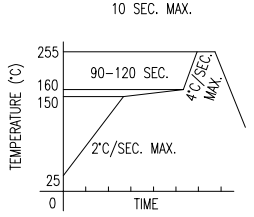




RECOMENDED SOLDER PAD LAYOUT.



LEAD FREE REFLOW PROFILE



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=±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= $^{+\text{DECIMAL PRECISION}}_{-0.00}$ MAX.= $^{+0.00}_{-\text{DECIMAL PRECISION}}$

UNCONTROLLED DOCUMENT

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1W HIGH POWER SURFACE MOUNT RED LED, CLEAR LENS.

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

DATE:	02.05.10	DRAWN BY:	JN
PAGE:	1 OF 1	CHKD BY:	
SCALE:	N/A	APRVD BY:	KF
UNIT:	mm [INCH]		