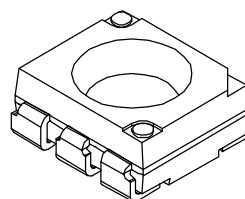
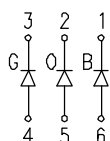


TOP VIEW POLARITY

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		610 (ORANGE)		nm	
		525 (GREEN)		nm	
		470 (BLUE)		nm	
FORWARD VOLTAGE	(O)	2.3	2.9	V_f	
	(G)	4.6	5.2	V_f	
	(B)	4.6	5.2	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (O/G/B)		1450		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		120		2θ	
EMITTED COLOR:	ORANGE/GREEN/BLUE				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		100	mA
STEADY CURRENT		40	mA
POWER DISSIPATION		110	mW
DERATE FROM 25°C		-1.2	$\text{mW}/^\circ\text{C}$
OPERATING TEMP.		-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.		-40 TO +100	$^\circ\text{C}$

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

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

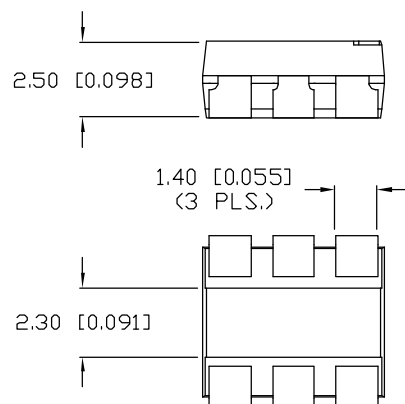
CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

NOTES:

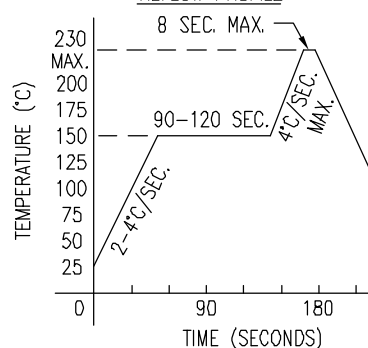
1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

UNCONTROLLED DOCUMENT

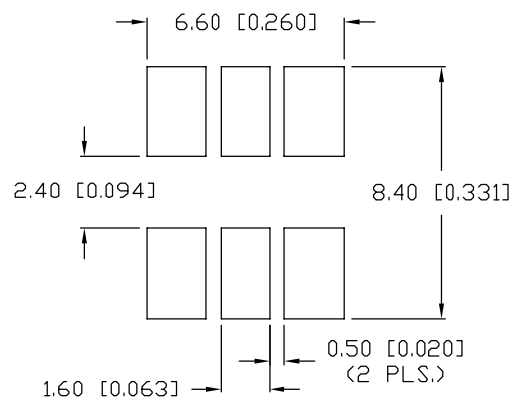
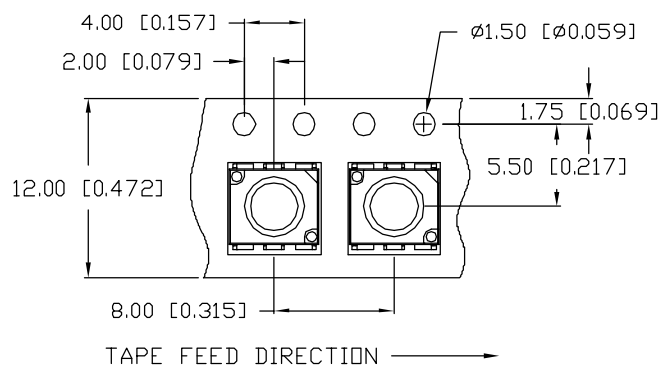
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION



REFLOW PROFILE



RECOMMENDED SOLDER PAD LAYOUT



REV.

PART NUMBER

SML-LX5760SOUPGUSB

6mm x 5mm SMT LED, ORANGE / GREEN / BLUE CHIPS,
WATER CLEAR LENS, TAPE AND REEL.

CONFIDENTIAL INFORMATION

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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CT

PAGE: 1 OF 1

SCALE: N/A