

SML-LX5760UWC-TR/4

PRELIMINARY IN P/N DIR

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			—		nm	
FORWARD VOLTAGE	V_f		3.3	4.0	V	$I_f=20\text{mA}$
REVERSE VOLTAGE	V_r	5			V	$I_r=20\mu\text{A}$
AXIAL INTENSITY(*1)	I_v	1800	2200		mcd	$I_f=80\text{mA}$
CHROMATICITY	X		0.32			$I_f=20\text{mA}$
COORDINATES(*2)	Y		0.33			
VIEWING ANGLE			120		2x theta	
EMITTED COLOR:	WHITE					
EPOXY LENS FINISH:	WATER CLEAR					

*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.
 *2. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	120	mW
DERATE FROM 25°C	-0.4	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$

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

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
 -0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SML-LX5760UWC-TR/4

5mm x 6mm SURFACE MOUNT LED,
 ULTRA WHITE, TAPE AND REEL.

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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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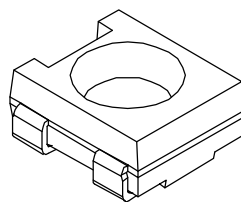
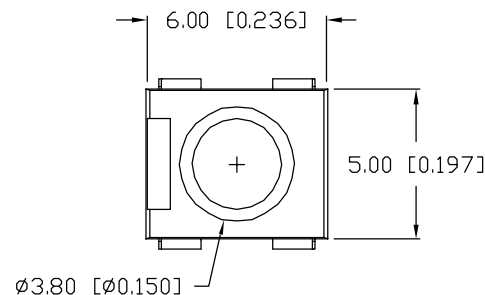
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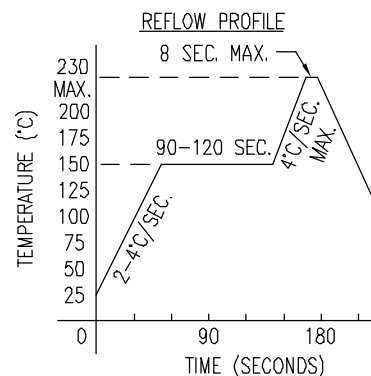
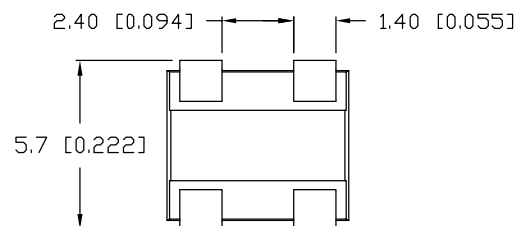
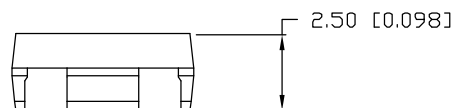
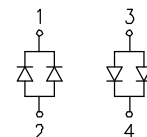
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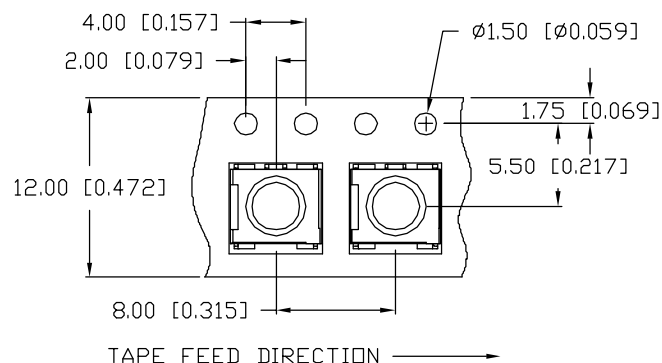
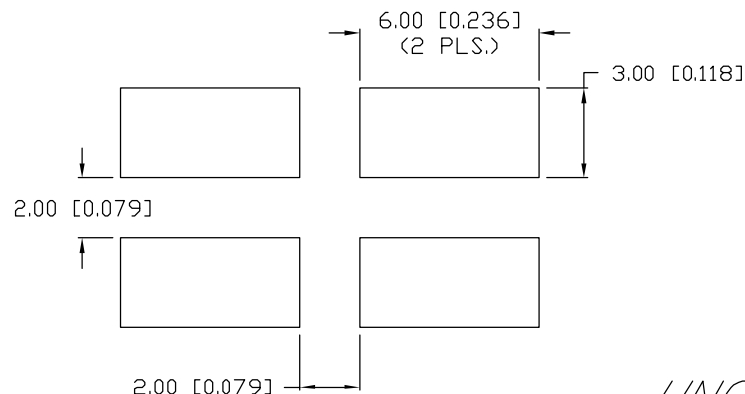
SCALE: N/A



TOP VIEW POLARITY



RECOMMENDED SOLDER PAD LAYOUT



TAPE FEED DIRECTION →