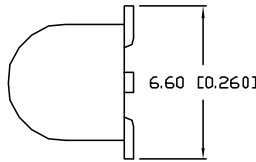
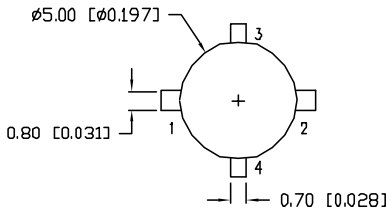
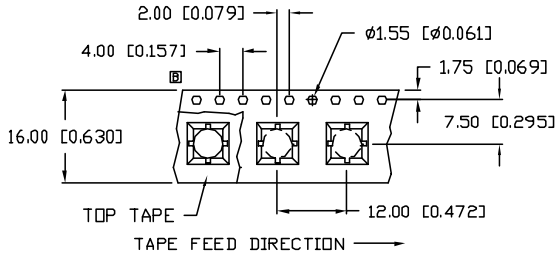
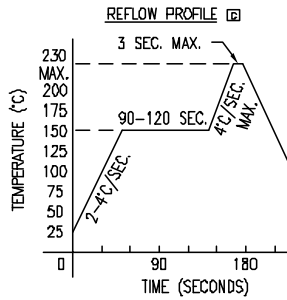
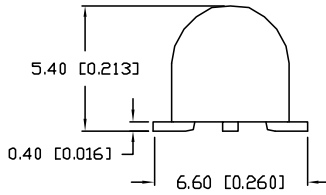


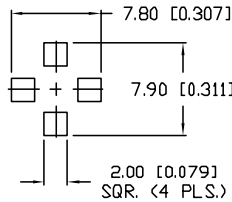
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POLARITY
1 → 2, 3, 4



RECOMMENDED SOLDER PAD LAYOUT



REPLACES PART #: SML-LXL505UWC

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005).

LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN=0.000, MAX.=0.000

PART NUMBER		REV.
SML-LXL505UWC-TR		C
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10789.	9.27.01
B	E.C.N. #10813.	12.6.01
C	E.C.N. #10966.	3.11.03

ELECTRO-OPTICAL CHARACTERISTICS T _A =25°C I _f =20mA					
PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS TEST COND
PEAK WAVELENGTH			-		nm
FORWARD VOLTAGE	V _f		3.5	4.0	V I _f =20mA
REVERSE VOLTAGE	V _r	5.0			V I _r =10µA
AXIAL INTENSITY(*1)	I _v		1100		mcd I _f =20mA
VIEWING ANGLE			50		2x theta
EMITTED COLOR:	ULTRA WHITE				
EPOXY LENS FINISH:	WATER CLEAR				

*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	80	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +100	°C

* <10µS

NOTES:

1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
2. 500 PCS. PER REEL.

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

UNCONTROLLED DOCUMENT

REV.	PART NUMBER
C	SML-LXL505UWC-TR
T-5mm (T-1 3/4) SURFACE MOUNT DOMED LED, 4 LEADED, ULTRA WHITE LED, WATER CLEAR LENS.	

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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			6.26.01
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			SCALE: N/A