

UNCONTROLLED DOCUMENT

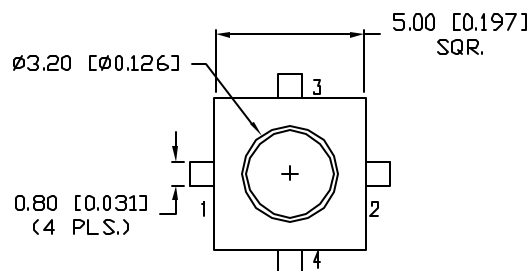
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PART NUMBER

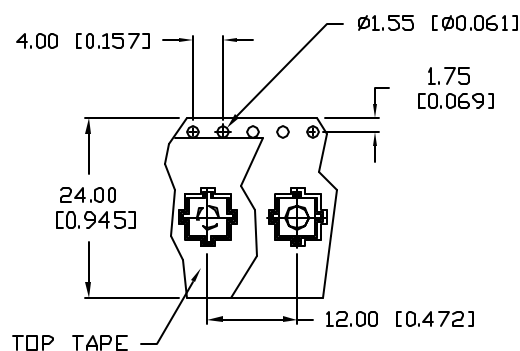
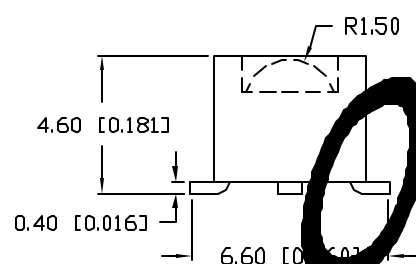
REV.

SML-LXL3205SPGC-TR

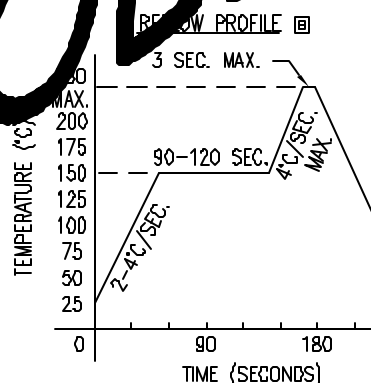
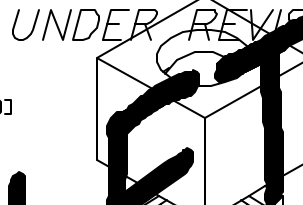
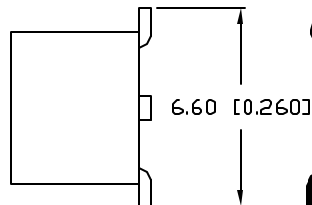
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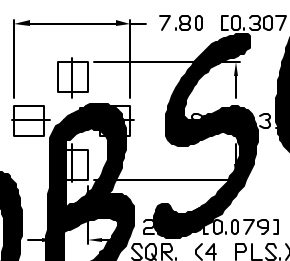
POLARITY
1 → 2, 3, 4.



TAPE FEED DIRECTION →



RECOMMENDED SOLDER PAD LAYOUT

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		562		nm	
FORWARD VOLTAGE		2.0	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		200		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		20		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT $T_A=25^\circ\text{C}$

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	20	mA
POWER DISSIPATION	105	mW
TEMPERATURE COEFFICIENT	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
LEAKAGE CURRENT	<10 μS	

NOTES:

1. 500 PIECES PER REEL.
2. THE CATHODE LEAD IS ORIENTED TOWARD THE TAPE SPROCKET HOLE.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.001), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005), LEAD SIZE=±0.03 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN=+DECIMAL PRECISION MAX=-DECIMAL PRECISION

REV.

PART NUMBER

B

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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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DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 1.17.01

PAGE: 1 OF 1

SCALE: N/A

BC

T-5mm (T-1 3/4) SURFACE MOUNT LED,
5mm SQUARE WITH 3mm DOME, 4 LEADED,
562nm SUPER PURE GREEN CHIP, WATER CLEAR LENS.