

## Excellent Integrated System Limited

Stocking Distributor

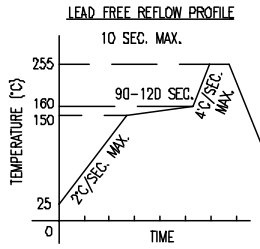
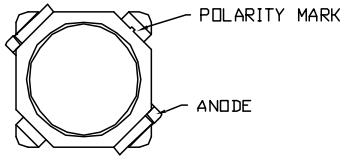
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Lumex, Inc.](#)  
[SML-H1505SOC-TR](#)

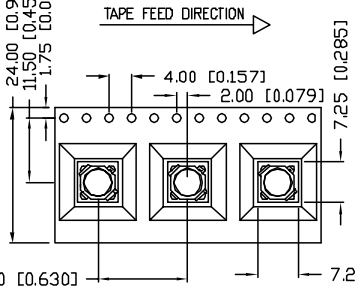
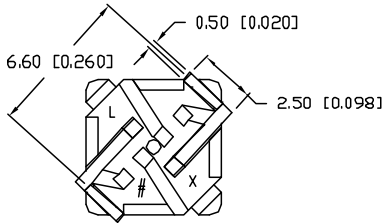
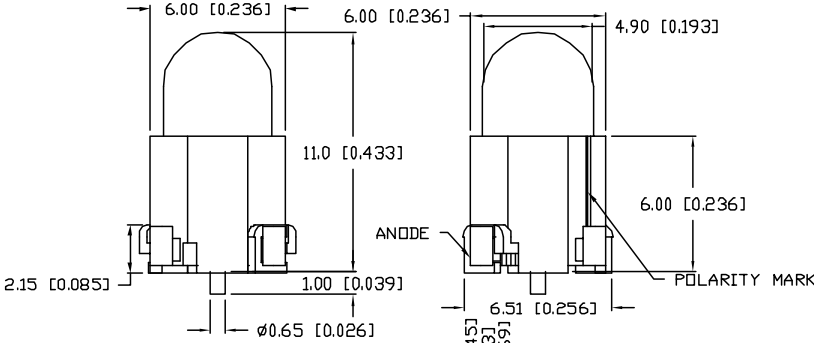
For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

UNCONTROLLED DOCUMENT

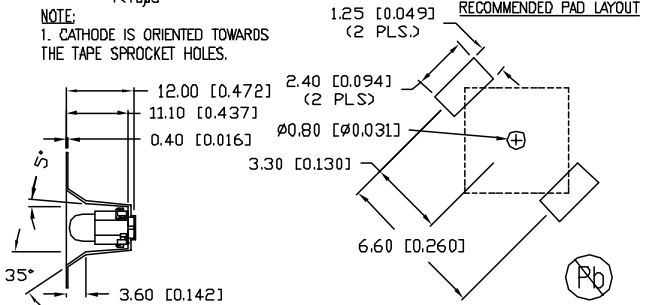
\* PATENT PENDING



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



NOTE:  
1. CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLES.



PART NUMBER	REV.
SML-H1505SOC-TR	

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		610		nm	
FORWARD VOLTAGE		2.1	2.6	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY		1500		mcad	$I_f=20\text{mA}$
VIEWING ANGLE		68		$2x$ theta	
EMITTED COLOR:	ORANGE				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	90	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-30 TO +80	°C
STORAGE TEMP.	-40 TO +100	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		5 SEC. MAX
* $t < 10\mu\text{s}$		

\*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 DECIMAL PRECISION

REV.	PART NUMBER
	SML-H1505SOC-TR
5mm SURFACE MOUNTED DOME LED, 610nm SUPER ORANGE LED, WATER CLEAR.	

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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: 03.12.08
JN			PAGE: 1 OF 1
			SCALE: N/A