

LEAD FREE REFLOW PROFILE 10 SEC. MAX. 255 TIME

PART NUMBER

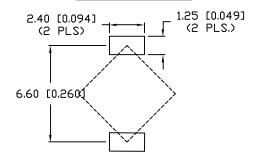
SML-H1505SYC

ELECTRO-OPTICAL CH	ARACTERIST	TICS TA=25°	С	$I_f = 20 \text{mA}$	
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		2.0	2.5	v_f	
REVERSE VOLTAGE	5.0			V_r	I _r =100μΑ
AXIAL INTENSITY		750		mcd	$I_f = 20 \text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	WATER CI	LEAR			

	LIMITS OF SAFE OPERATION AT 25°C	PERDIE		
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	

^{*}T<10µS

RECOMMENDED PAD LAYOUT





REV.

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX. *UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.XX=±0.5 (±0.020), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN=+DECIMAL PRECISION MAX.= +0.00 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN=+DECIMAL PRECISION MAX.= +0.00 (±0.005).

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6.60 [0.260]

5mm SURFACED MOUNT DOMED LED. 590nm SUPER YELLOW, WATER CLEAR.

0.50 [0.020]

2.50 [0.098]

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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.



JN

290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw

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1 OF 1 SCALE: N/A

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