

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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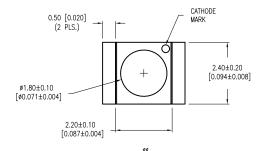
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

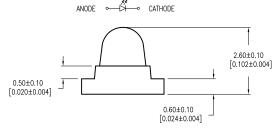


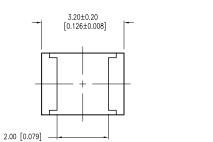


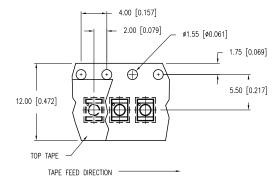


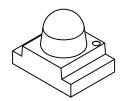
UNCONTROLLED DOCUMENT











T	PART NUMBER	SML-LXL1209SIC-TR	REV.	С
Γ	DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
Г	03.14.03	E.C.N. #10967.		Α
	12.03.04	E.C.N. #11148.		В
Г	05.27.10	E.C.N. #11508.		С

ELECTRO-OPTICAL C	HARACTERISTIC	CS TA = 25°C	$I_{f} = 20 \text{m/s}$	$I_f = 20 \text{mA}$		
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND	
PEAK WAVELENGTH		636		nm		
FORWARD VOLTAGE		2.0	2.6	Vf		
REVERSE VOLTAGE	5.0			٧r	$I_r = 100 \mu A$	
AXIAL INTENSITY		600		mcd	$I_f = 20 \text{mA}$	
VIEWING ANGLE		30		2x theta		
EMITTED COLOR:	SUPER INT	ENSITY RED				
EPOXY LENS FINISH:	: WATER CLE	AR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	- 1.2	mW/*C
OPERATING TEMP.	-30 TO +85	•c
STORAGE TEMP.	-40 TO +85	•C

^{*} t<10µS

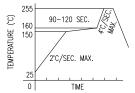
CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 2 STANDARDS

NOTES:

1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

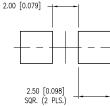
B LEAD FREE REFLOW PROFILE

10 SEC. MAX.



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X=\pm 1$ (± 0.039), $X.X=\pm 0.5$ (± 0.020), $X.XX=\pm 0.25$ (± 0.010), $X.XXX=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN= ± 0.001 (± 0.001) MAX.= ± 0.001 (± 0



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3.2mm x 2.4mm SML, 636nm SUPER INTENSITY RED LED, WATER CLEAR LENS, TAPE AND REEL

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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