



PART NUMBER	SSI-LXH072ID	REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
01.05.99	E.C.N. #10BRDR. & REDRAWN.		A
01.10.01	E.C.N. #10702.		B
03.08.04	E.C.N. #11103.		C
04.11.11	E.C.N. #10BRDR. & REDRAWN/#11686.		D

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.5	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_f=100\mu\text{A}$
AXIAL INTENSITY		15		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		110		$2\theta$	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

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

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^{\circ}\text{C}$	-1.2	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	-40 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY		3 SEC. MAX

\*  $t < 10\mu\text{s}$ 

## [C] NOTES:

- SSH-LXH072 HOLDER, BLACK.
- SSL-LX25783ID LED, RED.
- SECURE LED TO HOLDER WITH GLUE.
- PANEL CUT OUT SIZE: 5.3mm x 11.0mm.
- QC TO SQUEEZE BOTH EARS OF HOLDER TO MAKE SURE THAT THEY CANNOT BREAK.
- LUMEX MARKING CAN BE ON EITHER SIDE OF THE HOLDER HAVING NO SIGNIFICANCE TO LED POLARITY.

## [D]

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE:  $X=\pm 1$  ( $\pm 0.039$ ),  $X.X=\pm 0.5$  ( $\pm 0.020$ ),  $X.XX=\pm 0.25$  ( $\pm 0.010$ ),  $X.XXX=\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN=  $^{+0.00}_{-0.00}$  DECIMAL PRECISION MAX=  $^{+0.00}_{-0.00}$  DECIMAL PRECISION

UNCONTROLLED DOCUMENT



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2.3mm x 7mm RECTANGULAR PANEL INDICATOR LED, 635nm RED LED, RED DIFFUSED LENS.

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

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DATE:	04.11.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		(Pb)

# Mouser Electronics

Authorized Distributor

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Lumex:

SSI-LXH072ID