



NOTES:

1. SSL-LX3044ID, RED LED. (8 PCS.)
2. SSH-LXH42103, HOLDER.
3. PARTS ARE TO BE SUPPLIED IN TUBES.

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		30		mcad	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x 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, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

\*TOLERANCES PER DECIMAL PRECISION ARE: X= $\pm 1$  ( $\pm 0.039$ ), X,X= $\pm 0.5$  ( $\pm 0.020$ ), X,X,X= $\pm 0.25$  ( $\pm 0.010$ ). LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ), MIN= $\begin{matrix} +0.01 \\ -0.00 \end{matrix}$  DECIMAL PRECISION, MAX= $\begin{matrix} +0.01 \\ -0.00 \end{matrix}$  DECIMAL PRECISION

REV.	PART NUMBER SSF-LXH42103ID
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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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T-3mm (T-1) RIGHT ANGLE FAULT INDICATOR, 8 LEDs,  
EIGHT 635nm RED LEDs, RED DIFFUSED LENS.

DRAWN BY: BC	CHECKED BY:	APPROVED BY:	DATE: 2-25-00
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			SCALE: N/A