UNCONTROLLED DOCUMENT

PART NUMBER SSL-LX25783SRD-TR

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
Α	E.C.N. #10702.	1.10.01

7.00 [0.276] — 12.70 [0.500] — 2.30 [0.091] — [
8.00 [0.315] A
ANODE THIS SIDE — 0.70 [0.028] — 0.70 [0.028]
2.54 [0.100] - 12.70 [0.500] - 0.70 [0.028] - 1

ELECTRO-OPTICAL CHARACTERISTICS TA=25°C If=20mA						
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND	
PEAK WAVELENGTH		660		nm		
FORWARD VOLTAGE		1.7	2.2	V_{f}		
REVERSE VOLTAGE	5.0			V_r	Ir=100µA	
AXIAL INTENSITY		40		mcd	$I_f = 20 \text{mA}$	
VIEWING ANGLE		110		2x theta		
EMITTED COLOR:	RED					
EPOXY LENS FINISH	H: RED DIFF	USED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	- 1.2	mW/°C
OPERATING, STORAGE TEMP.	- 40 TO +85	•C
SOLDERING TEMP.	+ 260	. C
2.0mm FROM BODY		3 SEC. MAX
		

^{*} t<10µS

NOTES:

1. LED LEADS NOT TO EXTEND BELOW TAPE.

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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), 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 SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.003). MIN= +DECIMAL PRECISION MAX.= +0.00 (±0.002).

REV.

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2.3mm x 8mm RECTANGULAR LED, SUPER RED DIFFUSED, TAPE AND REEL.

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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.



CT

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CHECKED BY: APPROVED BY: DATE: DRAWN BY:

2.5.98 PAGE: 1 OF 1 SCALE: N/A

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