



PART NUMBER	SSL-LX25583GD	REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
03.20.92	ADD CHAMFER TO SHOULDER.	A	
03.09.95	UPDATED SPEC.	B	
07.02.01	E.C.N. #10BRDR. & REDRAWN IN 3D.	C	
1.11.12	E.C.N. #10BRDR. & REDRAWN.	D	

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	565			nm	
FORWARD VOLTAGE		2.2	2.6	Vf	
REVERSE VOLTAGE		5.0		Vr	$I_r=100\mu\text{A}$
AXIAL INTENSITY		10		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		110		2x theta	
EMITTED COLOR:	GREEN				
LENS FINISH:	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MIN	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA	
STEADY CURRENT	25	mA	
POWER DISSIPATION	105	mW	
DERATE FROM 25°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.	

* $t < 10\mu\text{s}$ *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= $^{+0.00}$ MAX= $^{+0.00}$ DECIMAL PRECISION

UNCONTROLLED DOCUMENT



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2.5mm x 5mm RECTANGULAR LED WITH SHOULDER, 565nm GREEN LED, GREEN DIFFUSED LENS.

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

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DATE: 01.11.12	DRAWN BY: AB
PAGE: 1 OF 1	CHKD BY: SS
SCALE: NTS	APRVD BY: SS
UNIT: mm [INCH]	PCB

Mouser Electronics

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