



PART NUMBER	SSL-LX3044ID	REV.	G
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
04.28.92	REMOVED FLAT EDGE FROM FLANGE.		A
11.15.94	UPDATED SPECS.		B
1.20.95	UPDATED VIEW ANGLE.		C
02.21.95	UPDATED INTENSITY.		D
04.11.01	E.C.N. #10BRDR. & REDRAWN IN 3D.		E
04.04.11	E.C.N. #10BRDR. & REDRAWN/#11703.		F
04.04.11	E.C.N. #11729.		G

[G] ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If=20mA					
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		627		nm	
FORWARD VOLTAGE		2.0	2.5	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100µA
AXIAL INTENSITY		30		mcd	If=10mA
VIEWING ANGLE		40		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

[G] LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	75	mW
DERATE FROM 25°C	-1.6	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC. MAX.

* t<10µs

*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}_{-0.00} MAX.= ^{+0.00}_{-DECIMAL PRECISION}

UNCONTROLLED DOCUMENT



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T-3mm (T-1) 627nm 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:	04.04.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		Ⓟ

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