



PART NUMBER	SSL-LX5093SYC	REV.	F
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
12.20.94	UPDATED SPECS.		A
12.19.95	UPDATED SPECS.		B
07.08.96	E.C.N. #10204.		C
05.31.01	E.C.N. #10BRDR. & REDRAWN IN 3D.		D
01.25.07	E.C.N. #11148.		E
10.02.12	E.C.N. #10BRDR. & REDRAWN.		F

[B] [A] ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		2.1	2.5	Vf	
REVERSE VOLTAGE	4.0			Vr	Ir=100μA
AXIAL INTENSITY		1000		mcd	If=20mA
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

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

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

UNCONTROLLED DOCUMENT

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