

PART NUMBER	SSL-LX5093BID	REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.13.93	REDRAWN.		A
05.29.01	E.C.N. #10BRDR. & REDRAWN IN 3D.		B
10.17.06	E.C.N. #11148.		C
01.25.12	E.C.N. #10BRDR. & REDRAWN.		D

ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		3.0	14.0	Vf	
BLINKING FREQUENCY		1.5		Hz	Vf=14.0, If=70mA
		2.5		Hz	Vf=3.0, If=6mA
AXIAL INTENSITY		40		mcd	Vf=9.0
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	70	µA
STEADY CURRENT	20	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

