

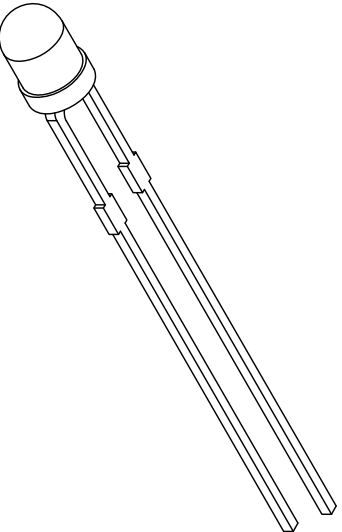


**THE DATASHEET OF
SSL-LX3044HC**



PART NUMBER		SSL-LX3044HC		REV.	A
DATE		E.C.N. NUMBER AND REVISION COMMENTS		REV.	
03.10.11		E.C.N. #10BRDR. & REDRAWN/#11703.		REV.	A

ELECTRO-OPTICAL CHARACTERISTICS TA = 25°C					
PARAMETER	MIN	TPC	MAX	UNITS	TEST COND
PEAK WAVELENGTH		700		nm	
FORWARD VOLTAGE		2.2	2.5	Vf	If=1000µA
REVERSE VOLTAGE	5.0			Vr	
AXIAL INTENSITY		3	8	mod	If=10mA
VIEWING ANGLE			34	2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				



LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	130	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	63	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

±0.320 [±0.126]

±0.290 [±0.114]

±0.028 [±0.028] MAX. [A]

±1.50 [±0.059]

±0.100

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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 -DECIMAL PRECISION

T-3mm (T-1) 700nm RED LED, WATER CLEAR LENS.

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

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