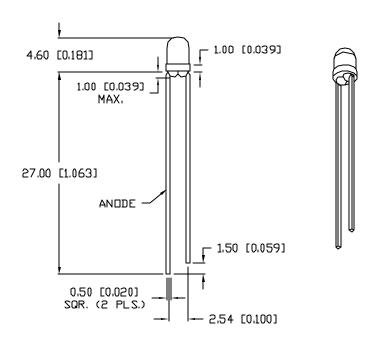
## SSL-LX3044UPGC





ELECTRO—OPTICAL CHARACTERISTICS TA=25°C If=20mA					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		525		nm	
FORWARD VOLTAGE		3.5	4.0	$V_f$	
reverse voltage	5.0			٧ <sub>٢</sub>	I <sub>r</sub> = 100μΑ
AXIAL INTENSITY		1100		mcd	$I_f = 20 \text{mA}$
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	ULTRA	PURE GREEN			
epoxy lens finisi	H; WATER	CLEAR			

## LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FÖRWARD CURRENT*	100	mA
STEADY CURRENT	25	<b>m</b> A
POWER DISSIPATION	105	mW
DERATE FROM 25°C	- 1.2	mW/°C
OPERATING, STORAGE TEMP.	- 40 TO +85	•c
SOLDERING TEMP.	+ 260	.c
2.0mm FROM BODY		3 SEC. MAX
T		

<sup>\*</sup> t<10µS

UNCONTROLLED DOCUMENT

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECINAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.0010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECINAL PRECISION MAX.= +0.00 (±0.002), XXX=±0.127 (±0.005).

REV.

PART NUMBER SSL-LX3044UPGC

T-3mm (T-1) 525nm ULTRA PURE GREEN LED, WATER CLEAR LENS.

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



GB

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