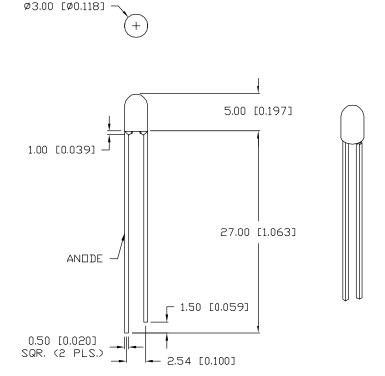
## SSL-LX305F4SUGD



ELECTRO-OPTICAL CH	ARACTER	ISTICS TA=25°C		$I_f = 20mA$	
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		574		nm	
FORWARD VOLTAGE		2.2	2.6	Vf	
REVERSE VOLTAGE	5.0			٧r	1 <sub>r</sub> =100,uA
AXIAL INTENSITY		60		mcd	If=20mA
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN	DIFFUSED			

## LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.6	mW/'C
OPERATING, STORAGE TEMP.	-40  TO  +85	°C
SOLDERING TEMP.	+ 260	<b>°</b> C
2.0mm FROM BODY		3 SEC. MAX
* 1×10 C		

<sup>\*</sup> t<10µS

UNCONTROLLED DOCUMENT

\*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 MAX= +0.05 (+0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.003). MIN= +DECIMAL PRECISION MAX= +0.05 (±0.003). MIN= +DECIMAL PRECISION MAX= +0.05 (±0.003). MIN= +DECIMAL PRECISION MAX= +0.05 (±0.003). MIN=+DECIMAL PRECISION MAX=+DECIMAL PRECISION MAX

REV.

PART NUMBER SSL-LX305F4SUGD

T-3mm (T-1) 574nm AllnGaP GREEN LED, GREEN DIFFUSED 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.



290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw

APPROVED BY: DATE: DRAWN BY: CHECKED BY:

4.10.03 PAGE: 1 OF 1 SCALE: N/A