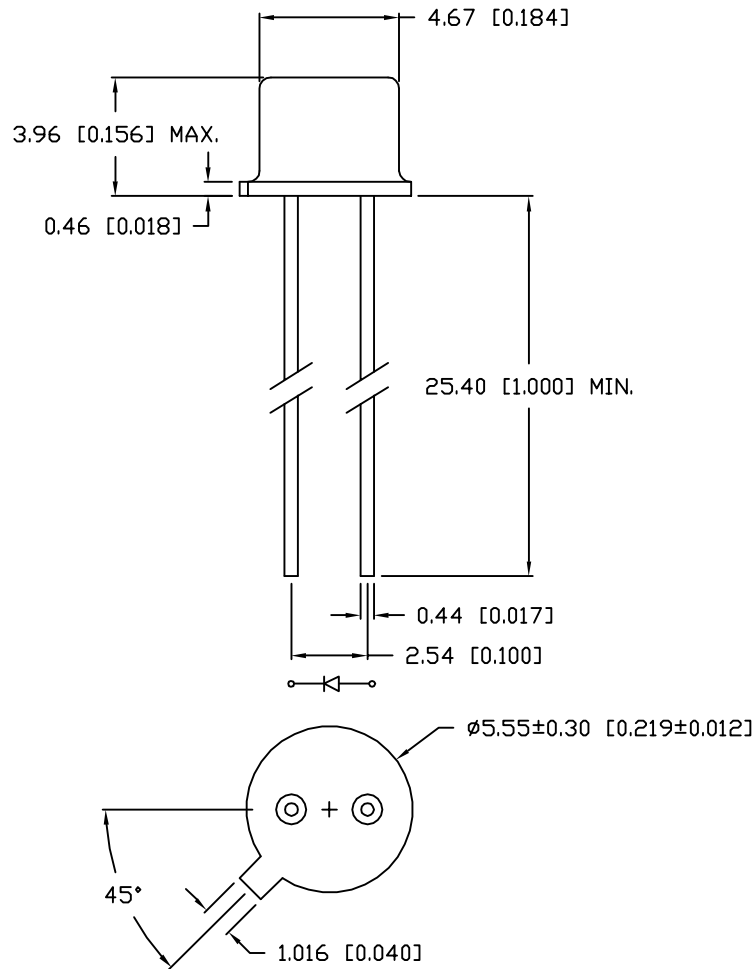


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PART NUMBER  
SSL-LXT046UV3C

REV.



ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	410	415	420	nm	
FORWARD VOLTAGE		3.3	3.6	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=1\mu\text{A}$
TOTAL POWER OUTPUT	4.0	6.0		mW	$I_f=20\text{mA}$
EMITTED COLOR:	ULTRA VIOLET				
GLASS LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	120	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	200	mW
OPERATING, STORAGE TEMP.	-40 TO +100	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY		3 SEC. MAX

\*1/10 DUTY CYCLE @ 1KHz

THERMAL PARAMETERS

PARAMETER	VALUE	UNITS
MAXIMUM JUNCTION TEMPERATURE	125	$^{\circ}\text{C}$
THERMAL RESISTANCE JUNCTION-AIR	400	$^{\circ}\text{C}/\text{W}$
THERMAL RESISTANCE JUNCTION-CASE	138	$^{\circ}\text{C}/\text{W}$



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\*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.=+0.00 -DECIMAL PRECISION

REV.	PART NUMBER SSL-LXT046UV3C
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415nm UV LED, T0-46 CAN PACKAGE.

**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.

DRAWN BY: JN	CHECKED BY:	APPROVED BY:	DATE: 12.23.09 PAGE: 1 OF 1 SCALE: N/A
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