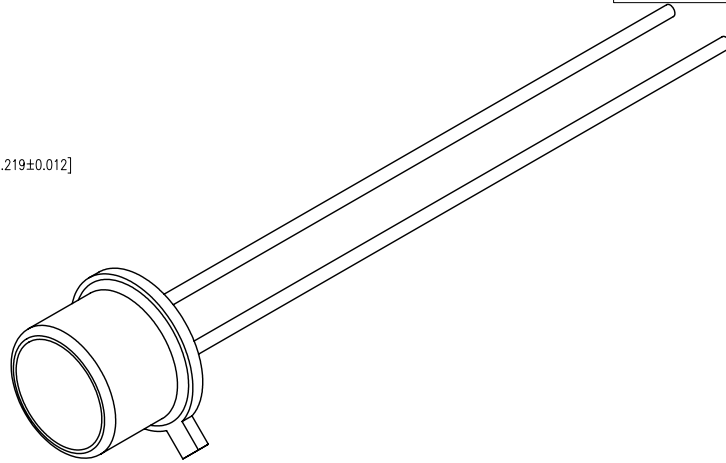
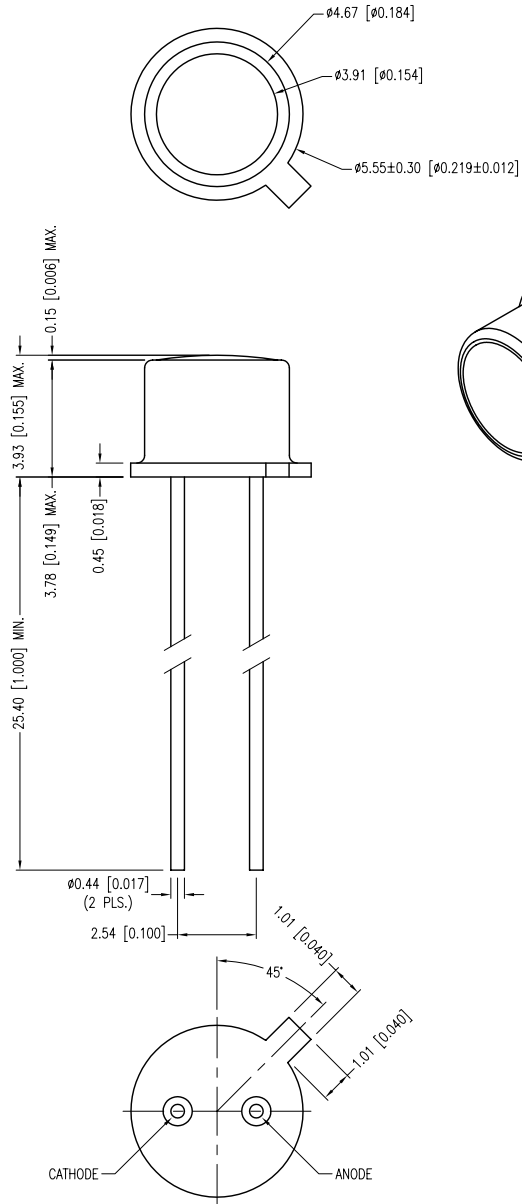


PART NUMBER	SSL-LXT046UV2C	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
01.11.10	E.C.N. #11611.		A
06.28.11	E.C.N. #10BRDR. & REDRAWN.		B
09.19.11	E.C.N. #11755.		C



ELECTRO-OPTICAL CHARACTERISTICS TA = 25°C If = 20mA					
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH	400	405	410	nm	
FORWARD VOLTAGE		3.7	4.0	Vf	
REVERSE VOLTAGE	5.0			Vr	If = 1µA
TOTAL POWER OUTPUT	1.5	2.5		mW	If = 20mA
VIEWING ANGLE		80		DEGREES	
EMITTED COLOR:	ULTRA VIOLET				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	50	mA
POWER DISSIPATION	200	mW
OPERATING TEMP.	-40 TO +100	°C
STORAGE TEMP.	-40 TO +100	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC. MAX.

\*1/10 DUTY CYCLE AT 1kHz

THERMAL PARAMETERS

PARAMETER	VALUE	UNITS
MAXIMUM JUNCTION TEMPERATURE	125	°C
THERMAL RESISTANCE JUNCTION-AIR	400	°C/W
THERMAL RESISTANCE JUNCTION-CASE	138	°C/W

CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.

\*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 -0.00 DECIMAL PRECISION



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405nm UV LED, TO-46 CAN PACKAGE.

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

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DATE:	06.28.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		(Pb)