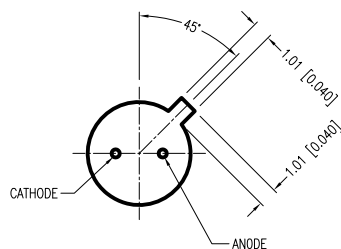
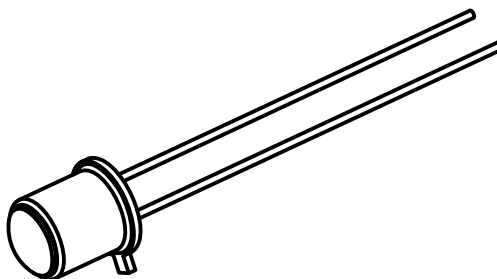
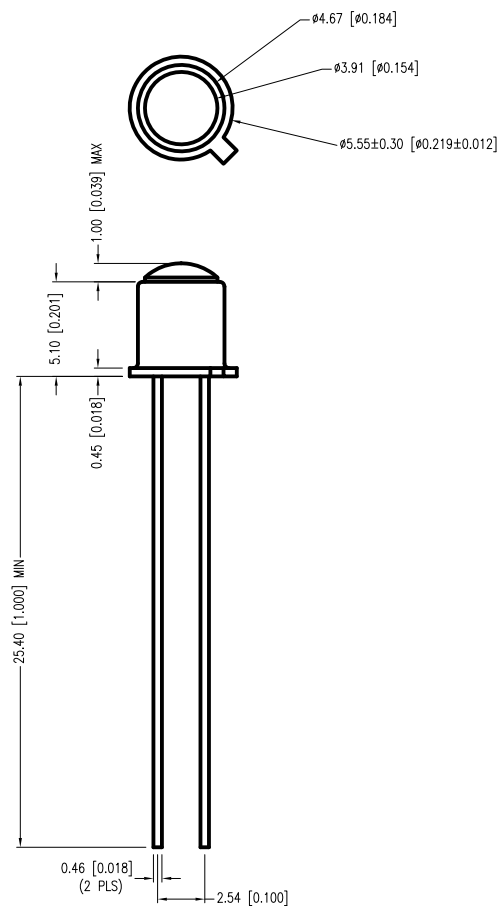


UNCONTROLLED DOCUMENT



PART NUMBER	SSL-LXT046UV2C-F	REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
04.12.13	E.C.N. #11856.		A
06.24.13	E.C.N. #11866.		B

[A]

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		8		DEGREES	
EMITTED COLOR:	ULTRA VIOLET				
EPOXY LENS FINISH:	WATER CLEAR				

*HALF INTENSITY BEAM ANGLE

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} _{-0.00} MAX= ^{+0.00} _{-DECIMAL PRECISION}

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405nm UV LED, T0-46 CAN PACKAGE, 8 DEGREE NARROW ANGLE DOME LENS

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DATE: 01.28.13	DRAWN BY: MA
PAGE: 1 OF 1	CHKD BY: KF
SCALE: NTS	APRVD BY: —
UNIT: mm [INCH]	(P6)