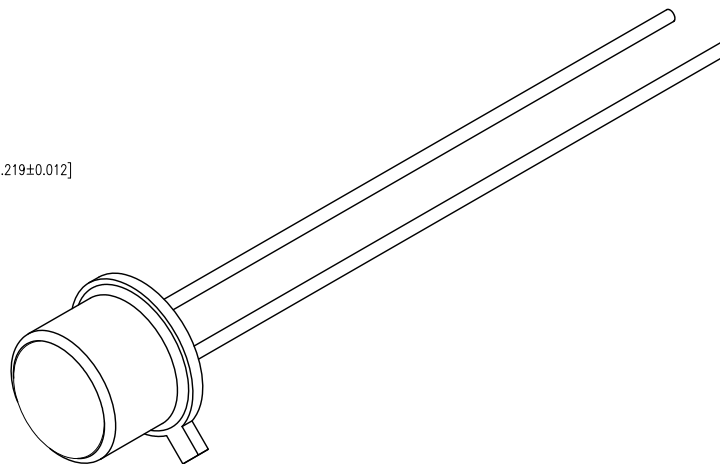
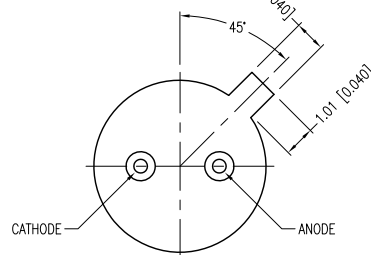
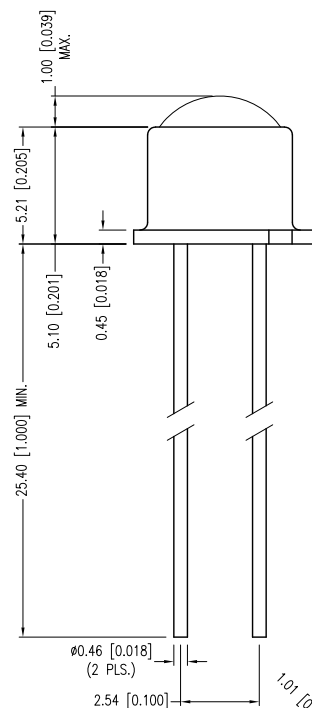
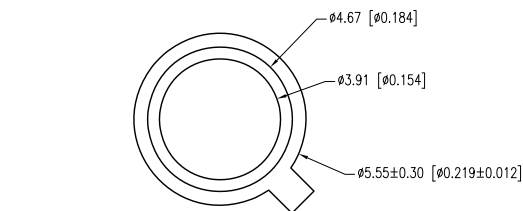


PART NUMBER	SSL-LXT046UV2C-F	REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
04.12.13	E.C.N. #11856.		A
06.24.13	E.C.N. #11866.		B



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	Ir=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.

B

NOTES:

1. FUNDAMENTAL CHANGES IN THE MATERIALS OR PROCESSES REQUIRE PRIOR NOTICE AND CUSTOMER APPROVAL BEFORE IMPLEMENTATION. MULTIPLE SOURCING OF ASSEMBLY MATERIALS AND PROCESSES, EXCEPT FOR THE SEMICONDUCTOR CHIP, IS SPECIFICALLY EXCLUDED FROM THIS NOTIFICATION/APPROVAL REQUIREMENT WHEN QUALIFIED TO APPROPRIATE SPECIFICATIONS. CORRECTING TYPOGRAPHICAL ERRORS OR OTHER ADMINISTRATIVE CHANGES DO NOT REQUIRE PRIOR NOTICE OR CUSTOMER APPROVAL.

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

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]		Ⓢ