

PART NUMBER	SSL-LX507FT3UWBL12	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.20.14	E.C.N. #11904.		A

[A]

ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$ $V_f=14\text{V}$

PARAMETER	SYM	MIN	TYP	MAX	UNITS	TEST COND
FORWARD VOLTAGE	V_f		14	16	V	$V_f=14\text{V}$
FORWARD CURRENT	I_f		8.5	12	mA	$V_f=5\text{V}$
REVERSE VOLTAGE	V_r	5			V	$I_r=10\mu\text{A}$
AXIAL INTENSITY	I_v	230	500		mcd	$V_f=14\text{V}$
CHROMATICITY (X)	X	0.29	0.31	0.33		$V_f=14\text{V}$
COORDINATES (Y)	Y	0.29	0.31	0.33		$V_f=14\text{V}$
VIEWING ANGLE			70		2x theta	
EMITTED COLOR:	WHITE					
EPOXY LENS FINISH:	WATER CLEAR					

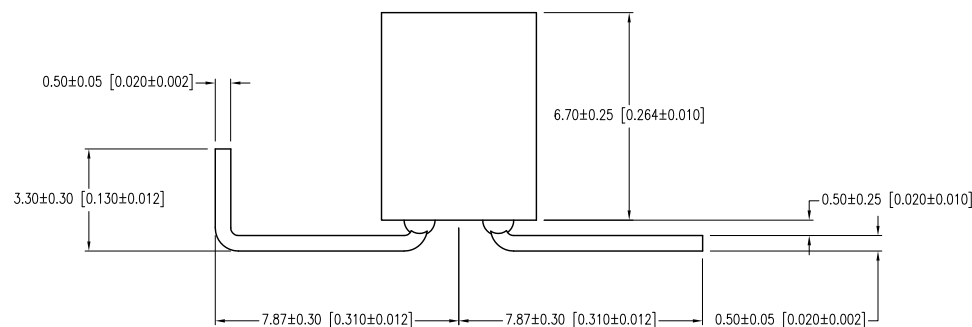
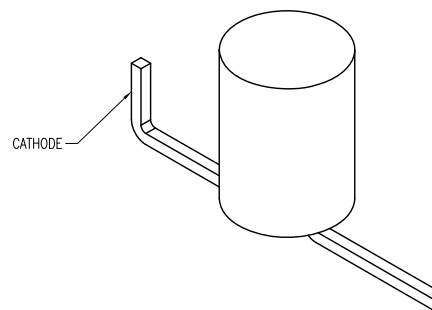
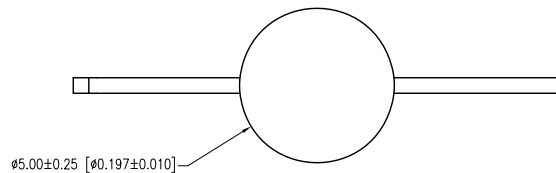
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	16	mA
STEADY CURRENT	8.5	mA
POWER DISSIPATION	160	mW
DERATE FROM 25°C	-1.2	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	-40 TO +70	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY	3	SEC.

* $t < 10\mu\text{s}$

NOTES:

1. CUSTOMER PART NUMBER #28-6403.



*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.= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION MAX.= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION

UNCONTROLLED DOCUMENT

T-5mm (T-1 3/4) WHITE LED, WATER CLEAR LENS.

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

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DATE:	01.20.10	DRAWN BY:	JN
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	BC
UNIT:	mm [INCH]		(Pb)