PART NUMBER		SSL-LX5093ID-12V	REV.	D
DATE		E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.24.01		E.C.N. #10BRDR. & REDRAWN IN 3D.		A
10.19.06		E.C.N. #11148.		B
02.13.12		E.C.N. #10BRDR & REDRAWN.		C

ø5.90 [ø0.232]

ø5.00 [ø0.197]

8.60 [0.339]

1.00 [0.039]

1.00 [0.039] MAX.

0.70 [0.028] MAX.

27.00 [1.063]

ANODE

1.50 [0.059]

0.50 [0.020]
(2 PLS.)

2.54 [0.100]
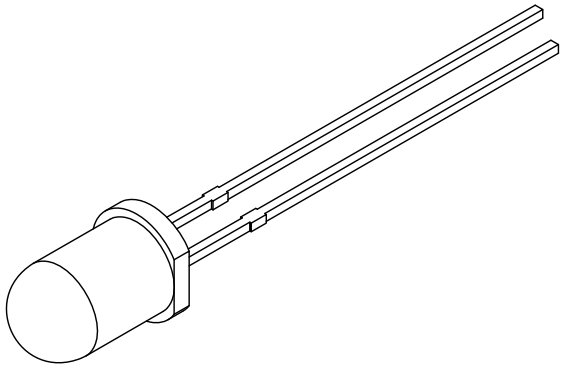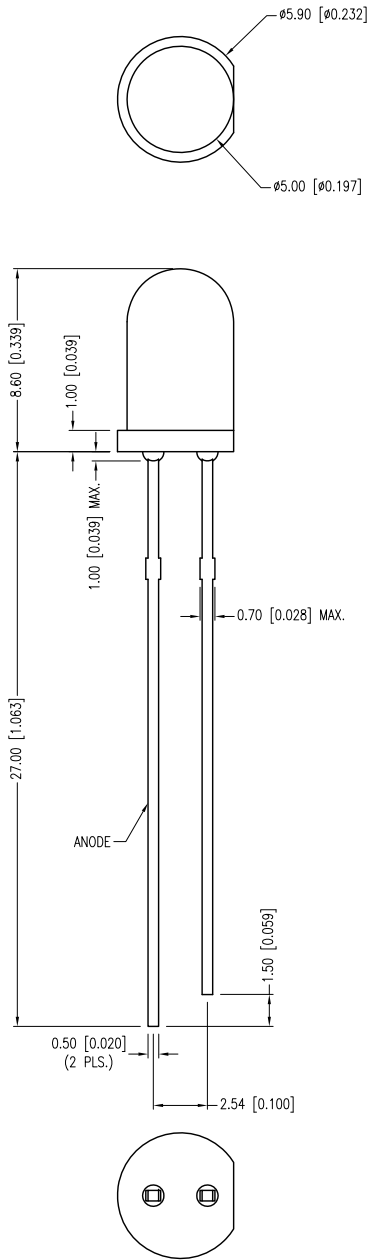
ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C   If=12V

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		12.0	14.0	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100μA
AXIAL INTENSITY		20		mcd	If=12V
VIEWING ANGLE		60			2x theta
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD VOLTAGE	14.0	V
STEADY CURRENT	12	mA
POWER DISSIPATION	310	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC.

*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

LUMEX®
Creating LED and LCD Solutions Together™

425 N. GARY AVE.
CAROL STREAM, IL 60188-4900
PHONE: +1.800.278.5666
FAX: +1.630.315.2152
WEB: WWW.LUMEX.COM
MEMBER OF *ITW* PHOTONICS GROUP

QUASARBRITE T-5mm (T-1 3/4) 635nm RED LED, RED DIFFUSED LENS, 12V OPERATION.

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

DATE:	02.13.12	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		