PART NUMBER	SSS-LX5093IC-H700		REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS			REV.
06.08.95	UPDATED SAFE OPERATING SPECS.			A
09.14.95	REDRAWN, UPDATED SPECS.			B
05.14.97	E.C.N. #10343.			C
09.04.98	E.C.N. #10BRDR. & REDRAWN.			D
02.21.07	E.C.N. #11148.			E

ø5.00 [0.197]

6.60 [0.260]

①

②

15.50 [0.610]

7.00 [0.276]

ANODE

0.50 [0.020]
SQR. (2 PLS.)

2.54 [0.100]

ø1.40 [ø0.055]
(5 PLS.)

C ANODE

1.90 [0.075]
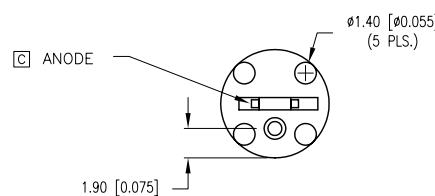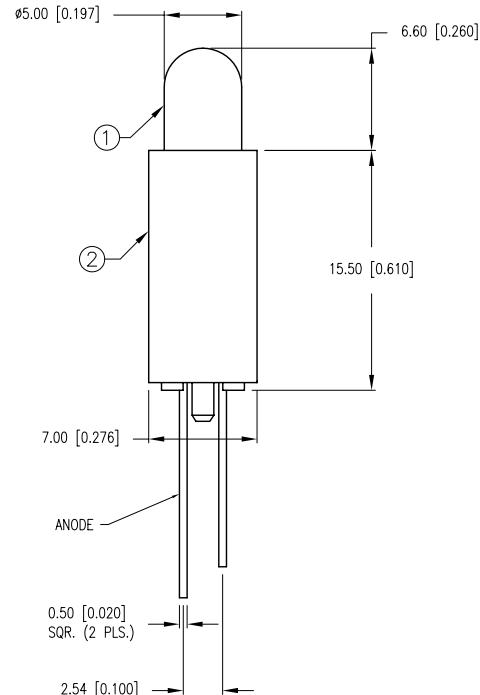
ELECTRO-OPTICAL CHARACTERISTICS T$_A$=25°C   I$_f$=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE		2.0	2.5	V$_f$	
REVERSE VOLTAGE	5.0			V$_r$	I$_r$=100µA
AXIAL INTENSITY		130		mcd	I$_f$=20mA
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

B A LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3 SEC. MAX	

* t<10µS

NOTES:

1. SSL-LX5093IC, RED LED.
2. SSS-LXH700, BLACK NYLON SPACER.

*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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T-5mm (T-1 3/4) 635nm RED LED, WATER CLEAR LENS, WITH 0.700" SPACER ATTACHED.

DATE:	09.21.92	DRAWN BY:	JC
PAGE:	1 OF 1	CHKD BY:	JD
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		(Pb)

Mouser Electronics

Authorized Distributor

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