

PART NUMBER	SSI-LXR3816ID-01	REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
06.09.94	ADDED NOTES.		A
09.16.94	ADDED NOTES AND SAFE OPER. SPECS.		B
11.12.01	E.C.N. #10810. & REDRAWN IN 3D.		C
03.05.12	E.C.N. #10BRDR. & REDRAWN.		D

ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$ $I_f=20\text{mA}$

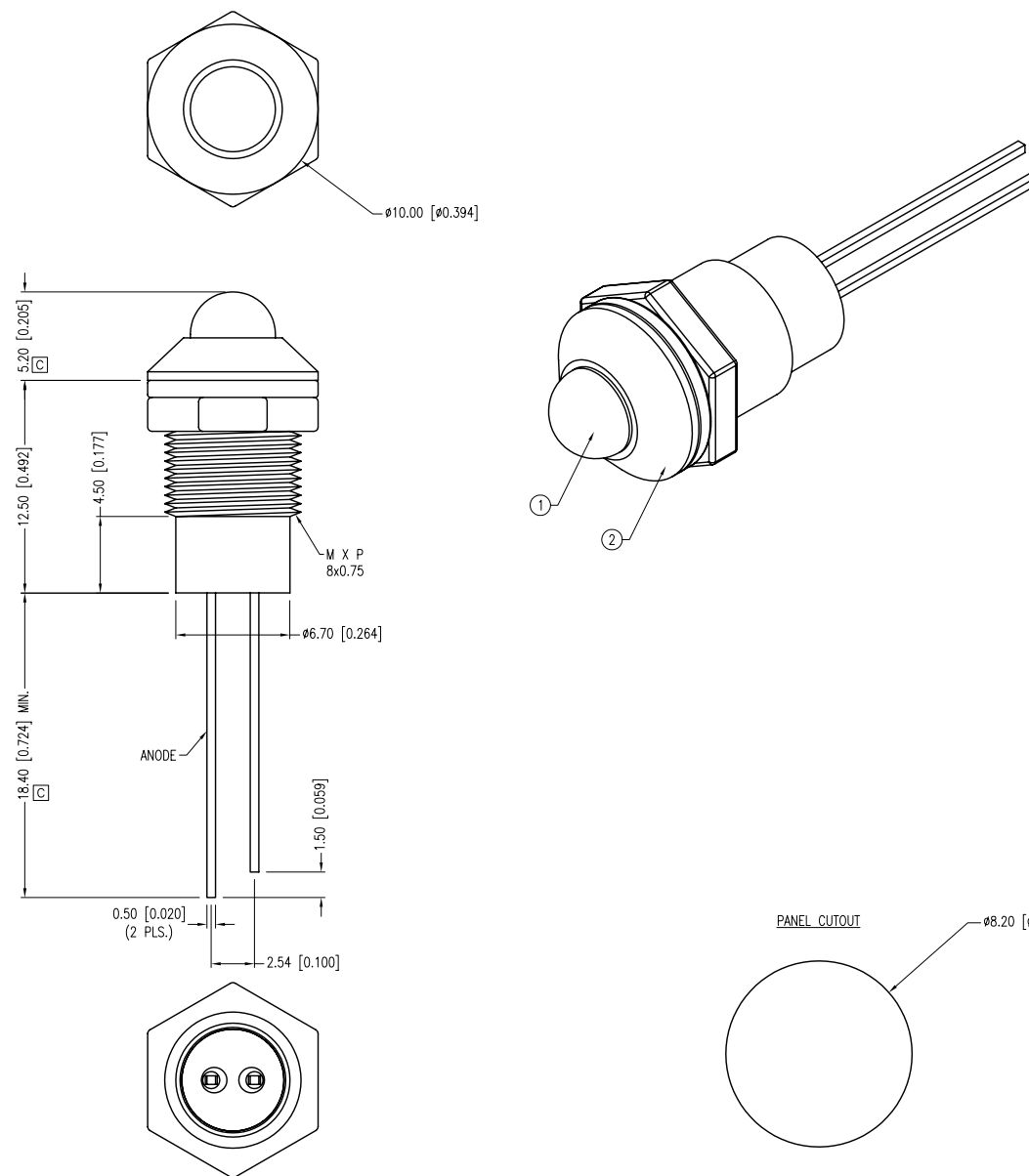
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.5	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100 μ A
AXIAL INTENSITY		30		mcd	I _f =20mA
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
LENS FINISH:	RED DIFFUSED				

[B] 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 TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC.

NOTES:

- [B] [A] 1. SSL-LX5093ID, RED LED.
 2. SSI-LXR3816, CHROME HOUSING.
 3. SSH-LX4815BSC, BUSHING (NOT SHOWN).
 INSERT AND CRIMP.
 4. PACKAGE LOCKWASHER AND NUT SEPARATELY.



*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= ^{+0.00}/_{-0.00} DECIMAL PRECISION MAX.= ^{+0.00}/_{-0.00} DECIMAL PRECISION

UNCONTROLLED DOCUMENT



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T-5mm 635nm RED LED PANEL INDICATOR, RED DIFFUSED LENS, NUT AND WASHER PACKED SEPARATE.

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

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DATE:	03.05.12	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	KF
UNIT:	mm [INCH]		Ⓟ

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