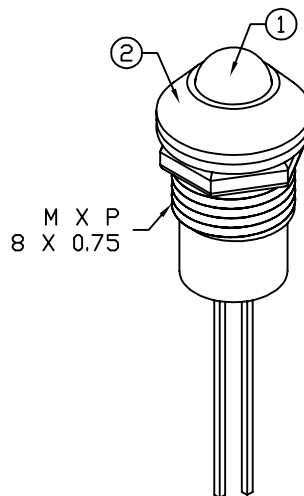
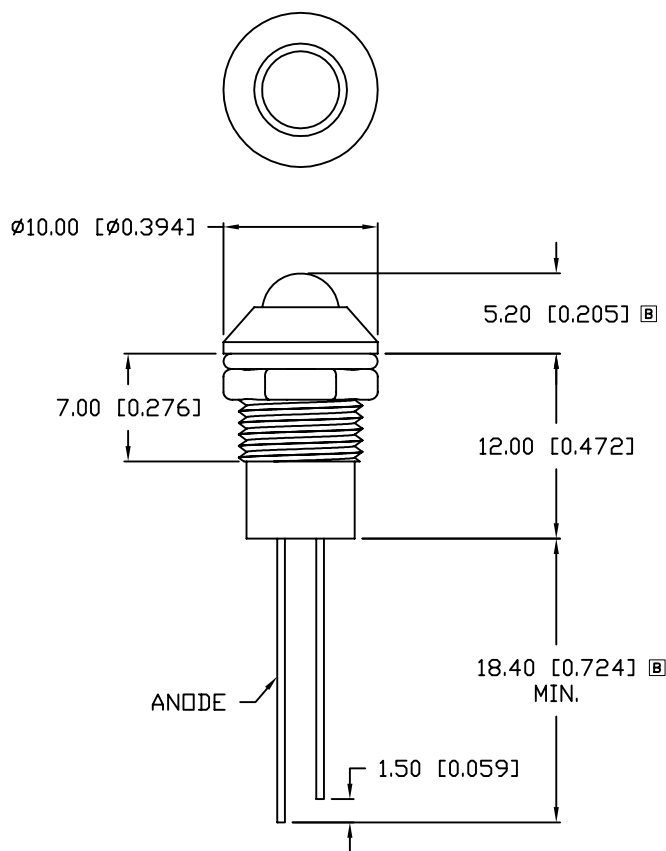
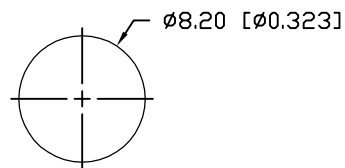


UNCONTROLLED DOCUMENT



PANEL CUTOUT

PART NUMBER
SSI-LXR3816SRD

REV.

B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	ADDED NOTES AND SAFE OPER. SPECS.	9.16.94
B	E.C.N. #10810. & REDRAWN IN 3D.	11.12.01

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660		nm	
FORWARD VOLTAGE		1.8	2.2	V_f	
REVERSE VOLTAGE	4.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		40		mcd	$I_f=20\text{mA}$
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 CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

A NOTES:

1. SSL-LX5093SRD, RED LED.
2. SSI-LXR3816, CHROME HOUSING.
3. SSH-LXH4815-BSG, BUSHING (NOT SHOWN).
INSERT AND CRIMP.

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*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

REV. B	PART NUMBER SSI-LXR3816SRD
T-5mm 660nm SUPER RED LED PANEL INDICATOR, RED DIFFUSED LENS.	

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RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

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DRAWN BY: BC	CHECKED BY: JD	APPROVED BY: JD	DATE: 2.4.92 PAGE: 1 OF 1 SCALE: N/A