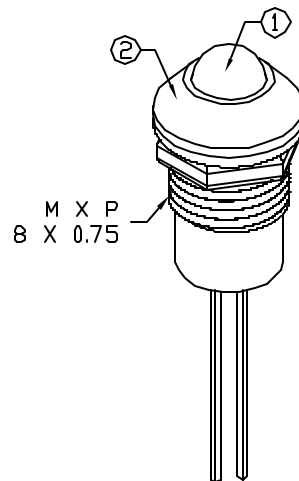
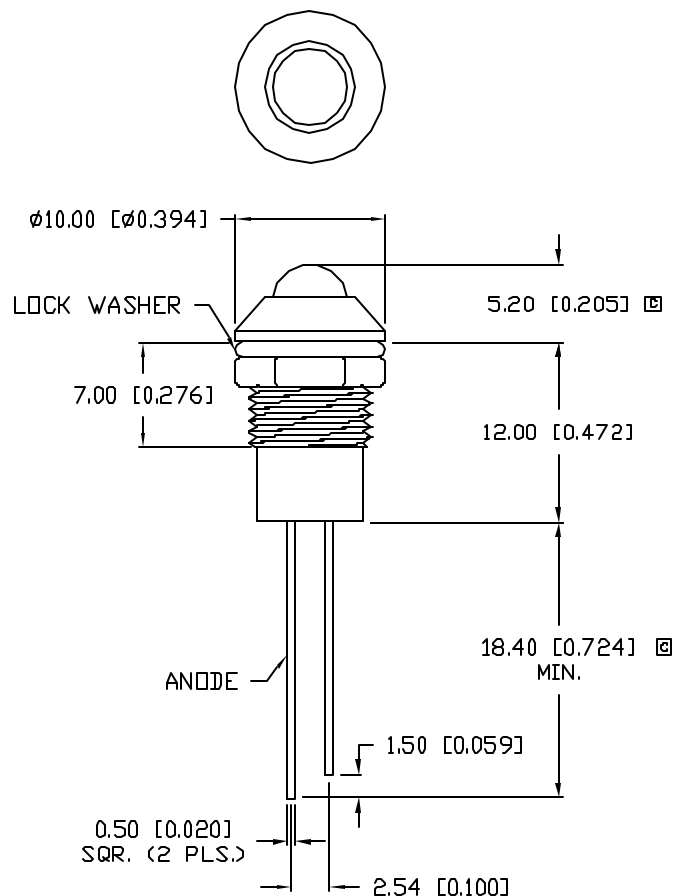
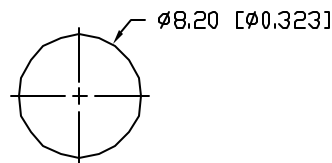


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PANEL CUTOUT

PART NUMBER  
SSI-LXR3816YD-01REV.  
C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	ADDED NOTES.	6.9.94
B	ADDED NOTE 3, UPDATED SAFE OPER. SPEC.	9.15.94
C	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		585		nm	
FORWARD VOLTAGE		2.1	2.5	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY		30		med	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	YELLOW DIFFUSED				

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$ 

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^\circ\text{C}$	-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	
* $t < 10\mu\text{s}$		

NOTES:

1. SSL-LX5093YD, YELLOW LED.
2. SSI-LXR3816, CHROME HOUSING.
3. SSH-LXH4815BSG, BUSHING (NOT SHOWN).  
INSERT AND CRIMP.
4. PACKAGE LOCKWASHER AND NUT SEPARATELY.

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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.=+0.00/-0.00, MAX.=+0.00/-0.00

REV.  
CPART NUMBER  
SSI-LXR3816YD-01T-5mm 585nm YELLOW LED PANEL INDICATOR,  
YELLOW DIFFUSED LENS, NUT AND WASHER PACKED SEPARATE.

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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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			PAGE: 1 OF 1
			SCALE: N/A

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