

## UNCONTROLLED DOCUMENT

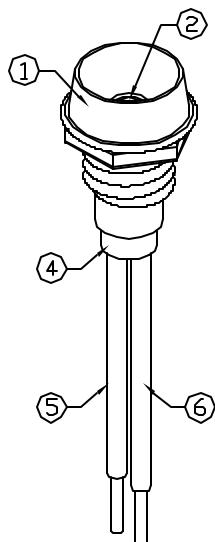
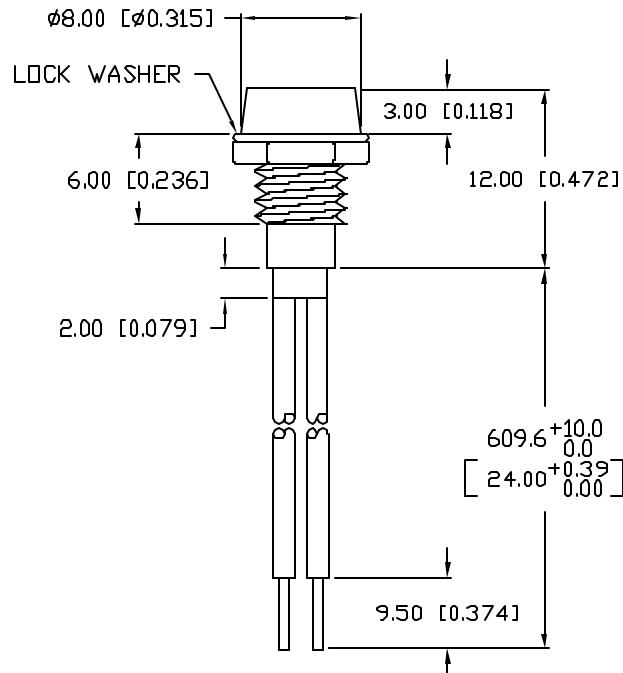
PART NUMBER

SSI-LXR1612GD-TWP

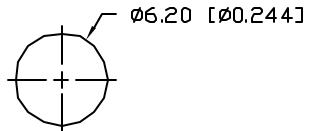
REV.

C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	UPDATED SAFE OPER. SPECS AND NOTES.	9.19.94
B	UPDATED DWG. & NOTES.	1.3.95
C	E.C.N. #108RDR. & REDRAWN IN 3D.	10.16.01



PANEL CUTOUT

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.2	2.6	V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	$I_r=100\mu\text{A}$
AXIAL INTENSITY	30			med	$I_f=20\text{mA}$
VIEWING ANGLE	60			2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

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

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^\circ\text{C}$	-1.6	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

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

## NOTES:

1. SSI-LXR1612, CHROME HOUSING.
2. SSL-LX3054GD, GREEN LED, TRIM LEADS TO 5mm.
3. SOLDER WIRE LEADS TO LED LEADS.
4. SSH-LXH1612BSC, BUSHING, INSERT AND CRIMP.
5. ANODE LEAD: 24 AWG, UL1180, PINK INSULATION.  
CUT 616mm LONG, STRIP END 4mm & 9.5mm.
6. CATHODE LEAD: 24 AWG, UL1180, GRAY INSULATION.  
CUT 616mm LONG, STRIP END 4mm & 9.5mm.

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\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 ( $\pm 0.039$ ), XX=±0.5 ( $\pm 0.020$ ), XXX=±0.25 ( $\pm 0.010$ ), XXXX=±0.127 ( $\pm 0.005$ ), LEAD SIZE=±0.05 ( $\pm 0.002$ ), LEAD LENGTH=±0.75 ( $\pm 0.030$ ), MIN=  $\pm 0.00$  MAX=  $\pm 0.00$  DECIMAL PRECISION

REV.	PART NUMBER
C	SSI-LXR1612GD-TWP

T-3mm (T-1) 565nm GREEN LED PANEL INDICATOR,  
GREEN DIFFUSED LENS, 24" WIRE LEADS.

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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.



DRAWN BY: BC CHECKED BY: APPROVED BY: DATE: 11.8.89  
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SCALE: N/A

# Mouser Electronics

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