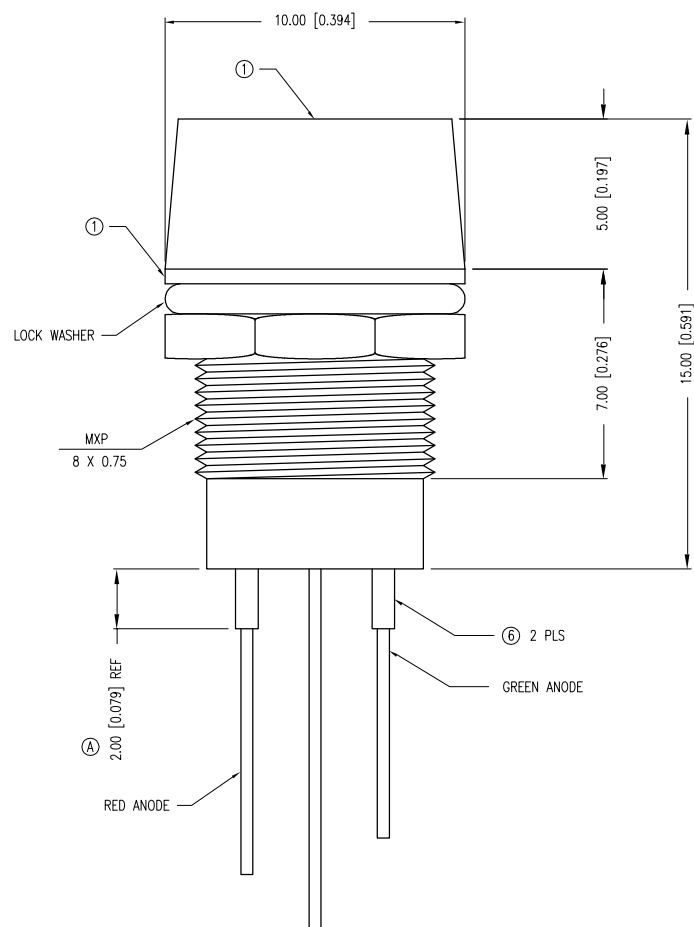


PART NUMBER	SSI-LXR4815-30012A	REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
08.09.93	CHANGED DWG TO SHOW HEAT SHRINK		A
10.27.94	UPDATED SAFE OP. SPECS., BOM AND TITLE		B

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

PARAMETER	COLOR	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			700 (RED) 565 (GREEN)		nm	
FORWARD VOLTAGE			2.1	2.8	$V_f$	
REVERSE VOLTAGE		5.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY			5/8		mcd	$I_f=20\text{mA}$
VIEWING ANGLE			80		$2\times \theta$	
EMITTED COLOR:	RED/GREEN					
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED					

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

PARAMETER		MAX	UNITS
B PEAK FORWARD CURRENT* (R/G)		150/150	mA
B STEADY CURRENT (R/G)		30/25	mA
B POWER DISSIPATION (R/G)		105/105	mW
DERATE FROM $25^\circ\text{C}$ (R/G)		- 1.1	mW/ $^\circ\text{C}$
B OPERATING TEMP.		-40 TO +80	$^\circ\text{C}$
B STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
B SOLDERING TEMP.		+260	$^\circ\text{C}$
B 2.0mm FROM BODY		3	SEC. MAX

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

## BILL OF MATERIALS

- SSI-LXR4815 PANEL MOUNT REFLECTOR.
- RUBBER GASKET LXP-WA-3816.
- SSL-LX5099HGW OR SSL-LX5099HGW/R BI-COLOR WHITE DIFFUSED.
- B BACKFILL HOLDER WITH SILICON ADHESIVE.
- B WATER RESISTANT PER NEMA STANDARD 250, SECT. 6.7
- HEAT SHRINK ON ANODE LEADS TO PREVENT SHORTING TO REFLECTOR CAN EXTEND SLIGHTLY BEYOND HOUSING AS SHOWN

A

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE:  $x=\pm 1$  ( $\pm 0.039$ ),  $x.x=\pm 0.5$  ( $\pm 0.020$ ),  $x.xx=\pm 0.25$  ( $\pm 0.010$ ),  $x.xxx=\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN=  $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$  MAX.=  $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$



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T-5, 3 LEADED BI-COLOR, PANEL INDICATOR, WATER RESISTANT

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

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DATE: 06.07.93	DRAWN BY: AB
PAGE: 1 OF 1	CHKD BY: JD
SCALE: N/A	APRVD BY: JD
UNIT: mm [INCH]	(R)

# Mouser Electronics

Authorized Distributor

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