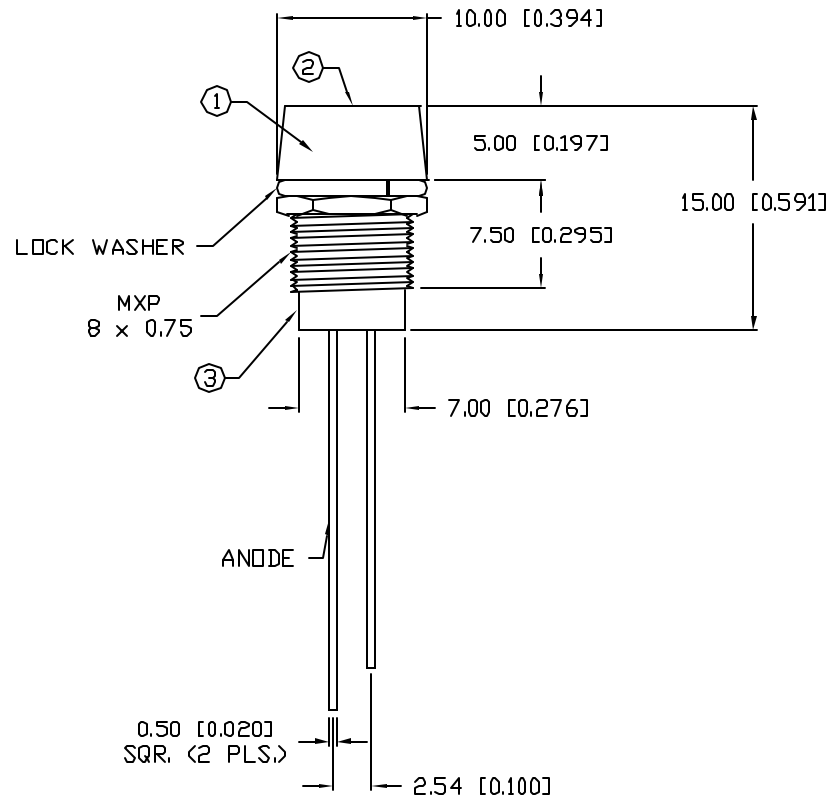


UNCONTROLLED DOCUMENT

PART NUMBER
SSI-LXR4815YD(-B)REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	UPDATED SPECS AND NOTES.	10.27.94
B	E.C.N. #10674. #10BRDR.	10.30.00



NOTES:

- SSI-LXR4815, CHROME HOUSING, OR IF "B" SUFFIX IN PART NO. USE SSI-LXR4815-B, BLACK ANODIZED HOUSING.
- SSL-LX5063YD.
- SSH-LXH4815BSG, BLACK NYLON BUSHING (NOT SHOWN).
- THREAD LED LEADS THRU BUSHING AND INSERT FULLY INTO HOUSING, CRIMP BUSHING IN PLACE.

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	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		20		med	$I_f=20\text{mA}$
VIEWING ANGLE		80		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	YELLOW DIFFUSED				

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/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

*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 DECIMAL PRECISION MAX=+0.00 DECIMAL PRECISION

REV.

B

PART NUMBER

SSI-LXR4815YD(-B)

T-5mm (T-1 3/4) LED, METAL REFLECTOR PANEL INDICATOR,
YELLOW LED, YELLOW DIFFUSED.

CONFIDENTIAL INFORMATION

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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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B

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CHECKED BY:

APPROVED BY:

DATE: 10.2.90

PAGE: 1 OF 1

SCALE: N/A