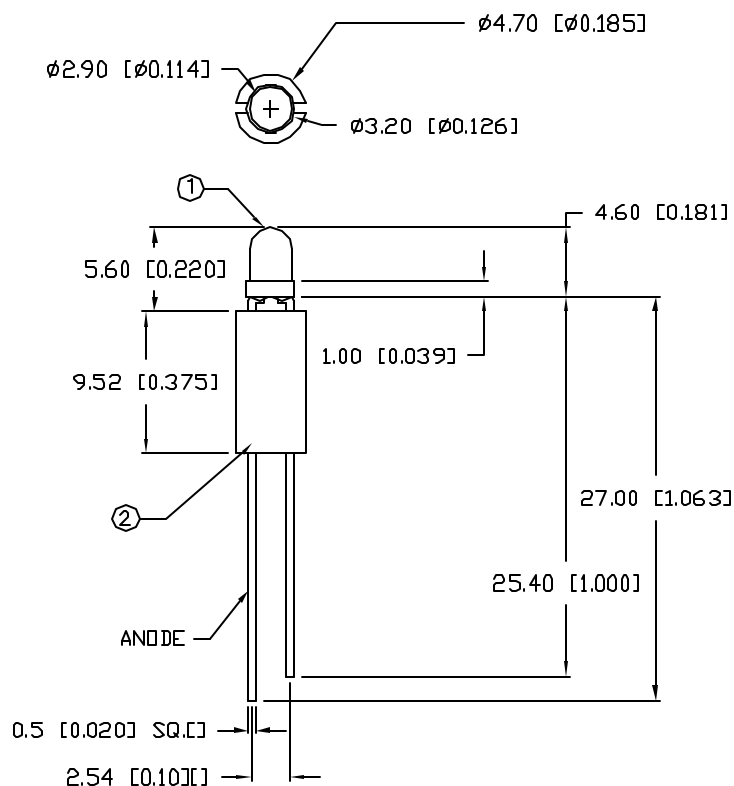


UNCONTROLLED DOCUMENT

TOLERANCE ± 0.2 (± 0.008)PART NUMBER
SSS-LX3044SRD-375BREV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11148.	01.09.07

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
FORWARD VOLTAGE		1.7	2.2	V_f	
REVERSE VOLTAGE	4.0			V_r	$I_f = 100\mu\text{A}$
AXIAL INTENSITY		90		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		80		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	-1.3	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP	-40 TO $+85$	$^\circ\text{C}$
LEAD SOLDERING TEMP	$+260$	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

NOTES

1. SSL-LX3044SRD LED.
2. SSS-LX375B5 BLACK SPACER.



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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

REV.

A

PART NUMBER

SSS-LX3044SRD-375B

T-3 (T-1) LED, SUPER RED, DIFFUSED LENS,
WITH .375" SPACER ATTACHED.

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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PAGE: 1 OF 1

SCALE: N/A