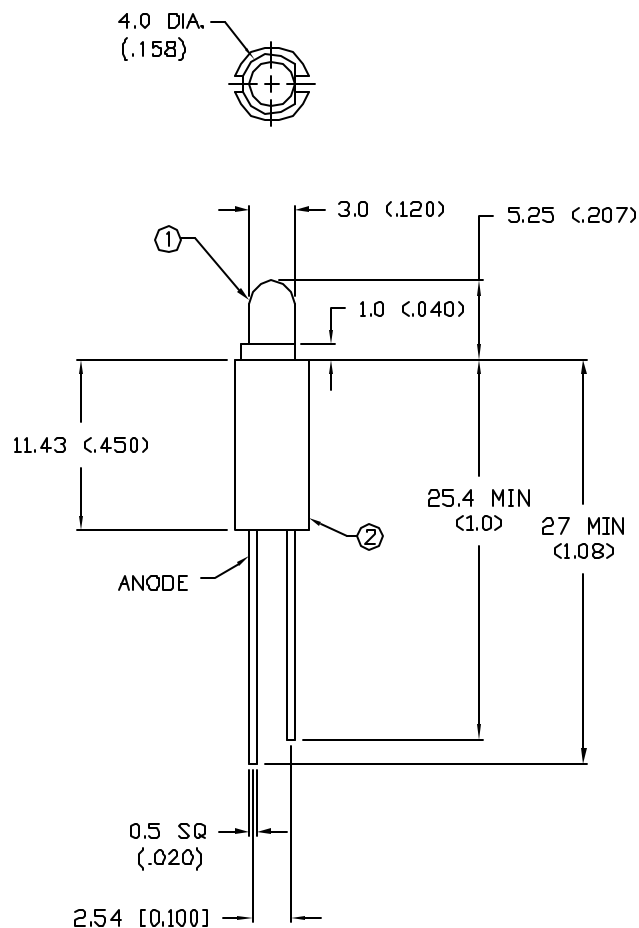


UNCONTROLLED DOCUMENT



NOTES:

1. SSL-LX3054YD LED.
2. SSS-LX450B5 BLACK SPACER.

PART NUMBER		REV.
SSS-LX3054YD-450B		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11148.	02.23.07

ELECTRO-OPTICAL CHARACTERISTICS TA=25 °C					IF=20mA
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585 (YELLOW)		nm	
FORWARD VOLTAGE		2.1	2.8	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100uA
AXIAL INTENSITY		12.0		mcd	I _f =20mA
VIEWING ANGLE		60		2x theta	
EMITTED COLOR :	YELLOW				
EPOXY LENS FINISH:	YELLOW DIFFUSED				

LIMITS OF SAFE OPERATION AT 25 DEG. C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT *	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25 °C	-1.6	mW/ °C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
LEAD SOLDERING TEMP.	+260	°C
	3 SEC. MAX	

* t<10uS

*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 -0.00 MAX= +0.00 -DECIMAL PRECISION

REV.	PART NUMBER	CONFIDENTIAL INFORMATION		LUMEX		290 E. HELEN ROAD	
A	SSS-LX3054YD-450B	THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.		3M 7000 Series LED Work for you		PALATINE, IL 60067-6976	
T-3mm (T-1) LED, YELLOW DIFFUSED		RELIABILITY NOTE		DRAWN BY:		DATE: 02.23.07	
WITH .450" SPACER ATTACHED.		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.		JC		PAGE: 1 OF 1	
				CHECKED BY:		SCALE: N/A	
				APPROVED BY:			

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