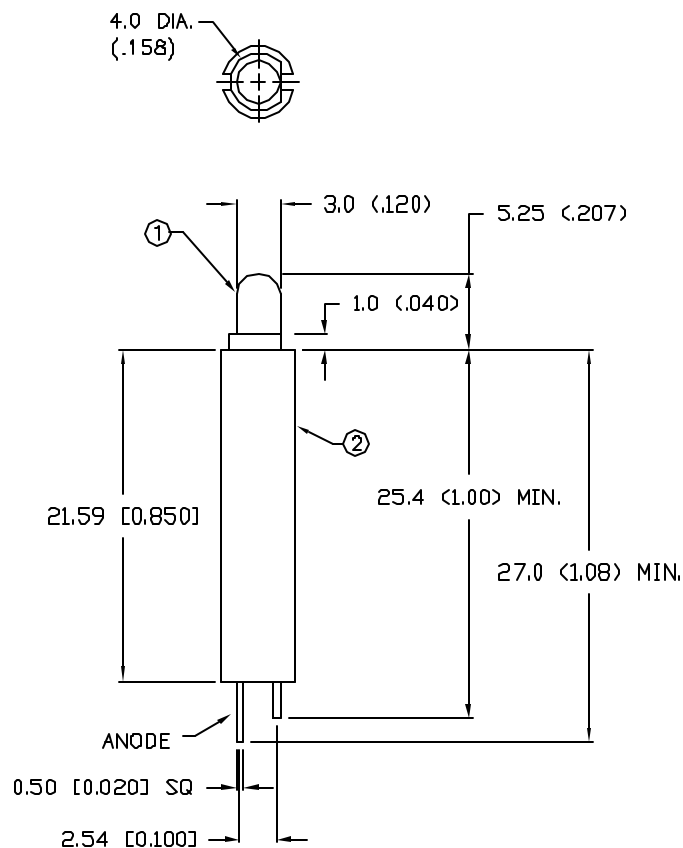


UNCONTROLLED DOCUMENT

PART NUMBER
SSS-LX3054GD-850BREV.
AREV. E.C.N. NUMBER AND REVISION COMMENTS
A E.C.N. #11148.DATE
02.21.07

NOTES:

1. SSL-LX3054GD LED.
2. SSS-LXB50B5 BLACK SPACER.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		nm	
FORWARD VOLTAGE		2.0	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		25		md	$I_f = 20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR	GREEN				
EPOXY LENS FINISH	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.6	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	

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

*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.
APART NUMBER
SSS-LX3054GD-850BT-3mm (T-1) LED, GREEN DIFFUSED WITH
850" SPACER ATTACHED.

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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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