

DATE	REVISIONS	REV

DRAWING NUMBER SSB-LX865GD	REV
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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			$V_r$	$I_f = 100\mu\text{A}$
AXIAL INTENSITY		3.0		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		120		$2 \times \text{theta}$	
EMITTED COLOR	GREEN				
EPOXY LENS FINISH	GREEN TOP DIFFUSED				

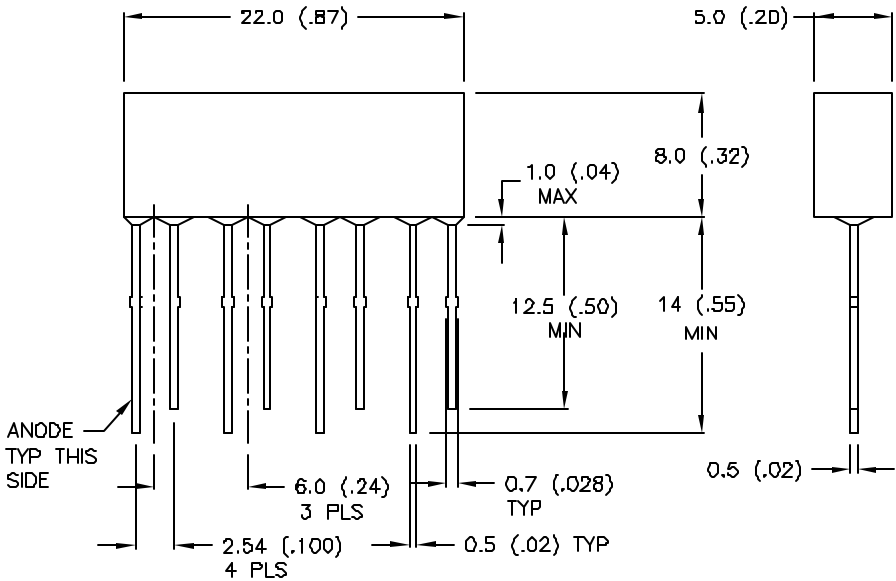
LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^\circ\text{C}$	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP	-40 TO +85	$^\circ\text{C}$
LEAD SOLDERING TEMP 2.0mm FROM BODY	+260	$^\circ\text{C}$ 3 SEC. MAX

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

NOTES:

1. UNIT: mm (INCHES).
2. TOLERANCE:  $\pm 0.2$  ( $\pm .008$ )



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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DATE: 4-24-90	DWN:	CHK'D:	APPD:
SCALE: N/A			
5 x 22mm LIGHT BAR, GREEN, TOP DIFFUSED			
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