

DATE

REVISIONS

REV

DRAWING NUMBER
SSB-LXE100SRD

REV

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	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		40		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		160		2x theta	
EMITTED COLOR:		RED			
EPOXY LENS FINISH:		RED DIFFUSED			

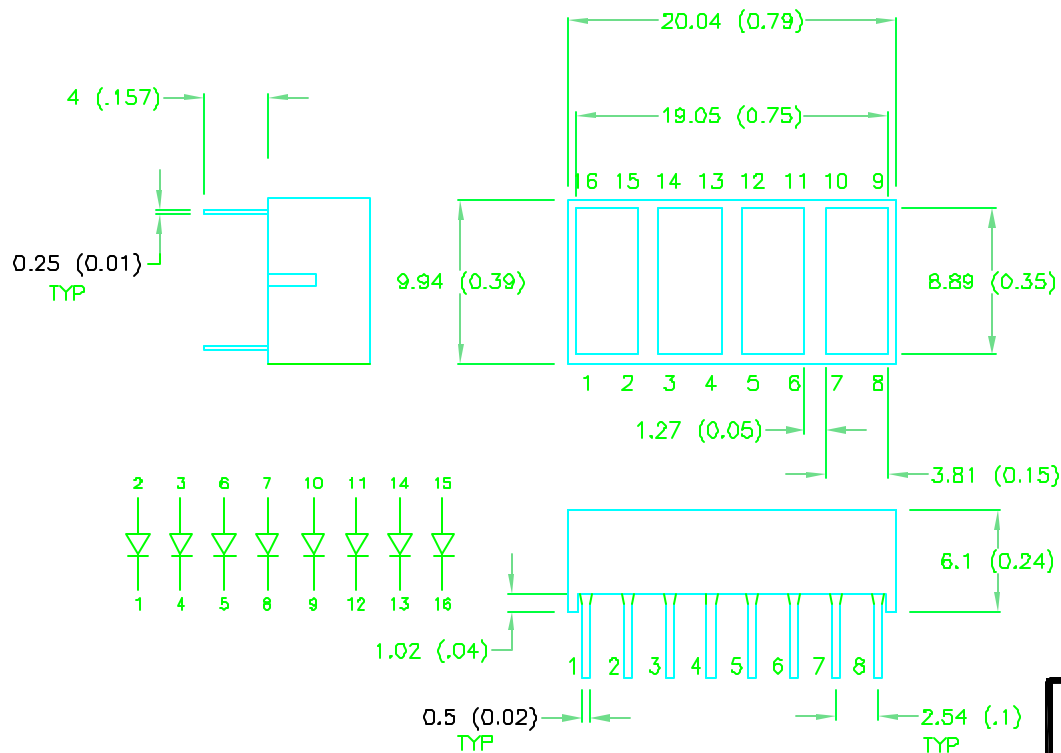
LIMITS OF SAFE OPERATION AT 25 DEG. C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 38 °C	-0.5	mA/°C
OPERATING, STORAGE TEMP.	-20 TO +85	°C
LEAD SOLDERING TEMP.	+230	°C
1.6mm FROM BODY	5 SEC. MAX	

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

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.



UNIT: mm (INCHES)
TOLERANCE: ± 0.25 (± 0.01) UNLESS OTHERWISE SPECIFIED

LUXE
OPTO COMPONENTS INC.

292 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
(708) 359-2790

DATE: 4-20-93

DWN:

CHK'D:

APPD:

SCALE: DO NOT SCALE DWG

QUAD 8.89mm X 3.81mm SEGMENT LIGHT BAR, RED DIFFUSED

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