

DATE	REVISIONS	REV
9-16-96	E.C.N. #10241./	A

DRAWING NUMBER	REV
SSB-LX2950IYW	A

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED) 585 (YELLOW)		nm	
FORWARD VOLTAGE (R/Y)		2.1	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f = 100\mu\text{A}$
AXIAL INTENSITY (R/Y)		25		md	$I_f = 20\text{mA}$
VIEWING ANGLE		160		2x theta	
EMITTED COLOR		RED/YELLOW			
EPOXY LENS FINISH		MILKY WHITE DIFFUSED			

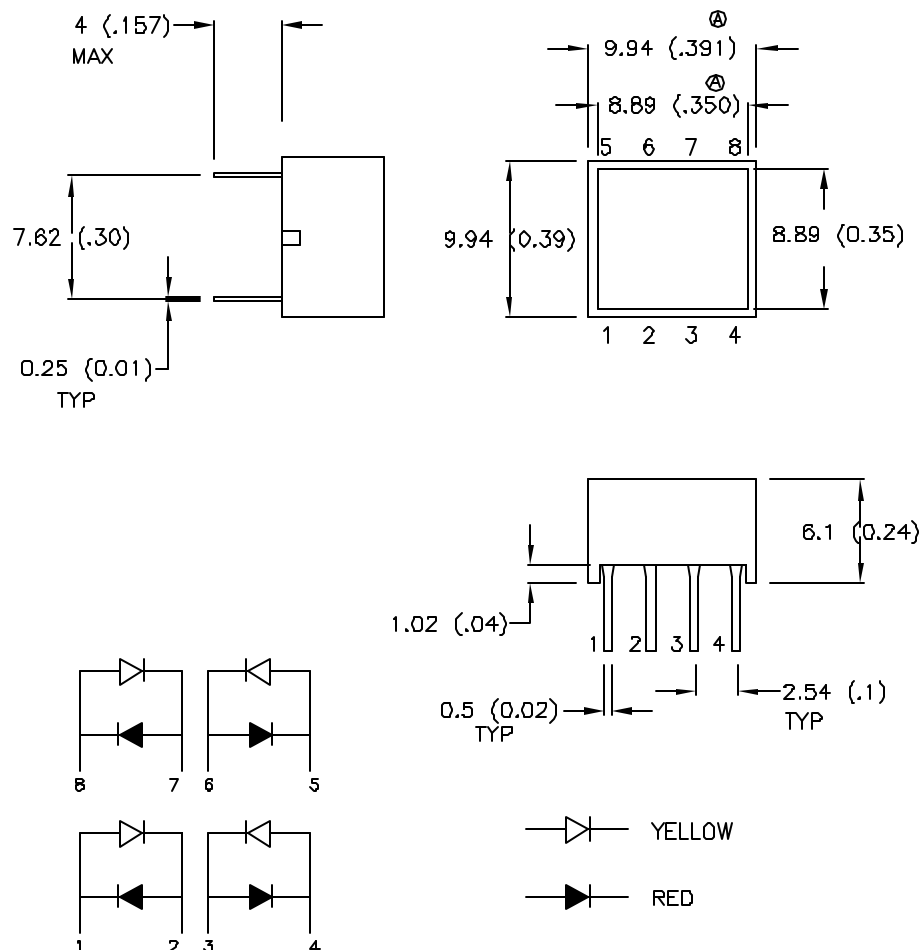
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*(R/Y)	150	mA
STEADY CURRENT (R/Y)	30	mA
POWER DISSIPATION (R/Y)	105	mW
DERATE FROM 25°C	-0.42	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP	-20 TO +85	$^\circ\text{C}$
LEAD SOLDERING TEMP	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 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.

LUMEX
OPTO COMPONENTS INC.

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DATE: 12-20-95	DWN:	CHK'D:	APPD:
SCALE: N/A			

8.89mm x 8.89mm LIGHT BAR, RED/YELLOW BICOLOR,
MILKY WHITE DIFFUSED

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