



THE DATASHEET OF SSB-LXF100SRW

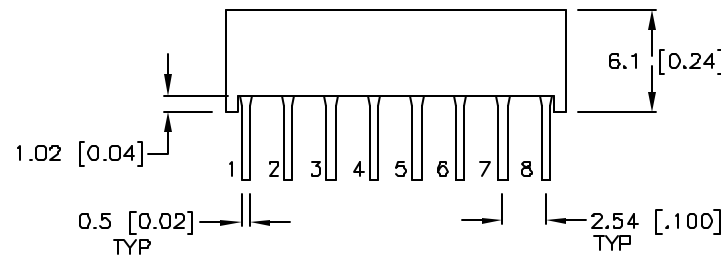
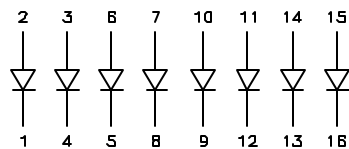
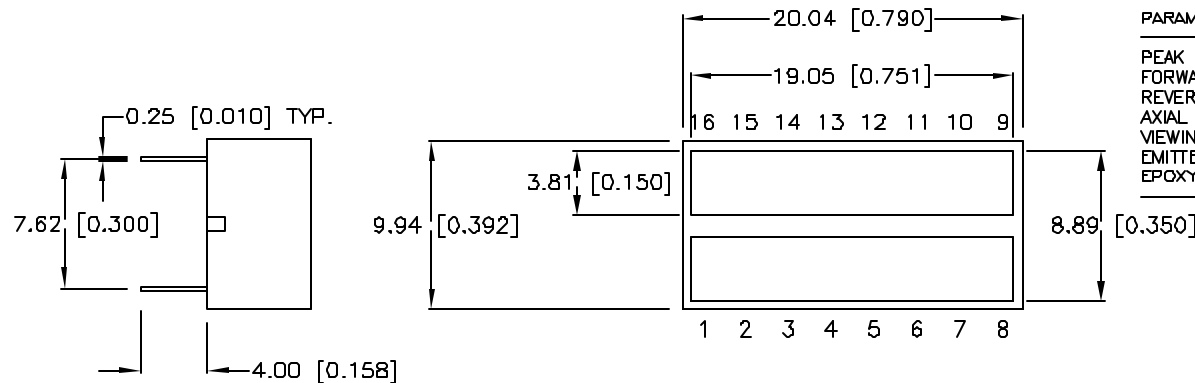
DATE	REVISIONS	REV
4-8-96	E.C.N.# 10144./	A

DRAWING NUMBER	REV
SSB-LXF100SRW	A

UNCONTROLLED DOCUMENT

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		80		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		160		2x theta	
EMITTED COLOR	RED				
EPOXY LENS FINISH	MILKY WHITE DIFFUSED				



LIMITS OF SAFE OPERATION PER CHIP AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-0.5	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP	-40 TO $+85$	$^\circ\text{C}$
LEAD SOLDERING TEMP	$+230$	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

UNIT: mm [INCHES]
TOLERANCE: ± 0.25 [± 0.01] UNLESS OTHERWISE SPECIFIED

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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OK

		292 E. HELLEN ROAD PALATINE, ILLINOIS 60067 (708) 359-2790	
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DATE: 3-15-96	DWN:	CHK'D:	APPD:
SCALE: N/A			
19.05mm x 8.89mm 2 WINDOW, LIGHT BAR, RED, MILKY WHITE DIFFUSED			
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