

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

DRAWING NUMBER	REV
SSB-LX2635IW	A

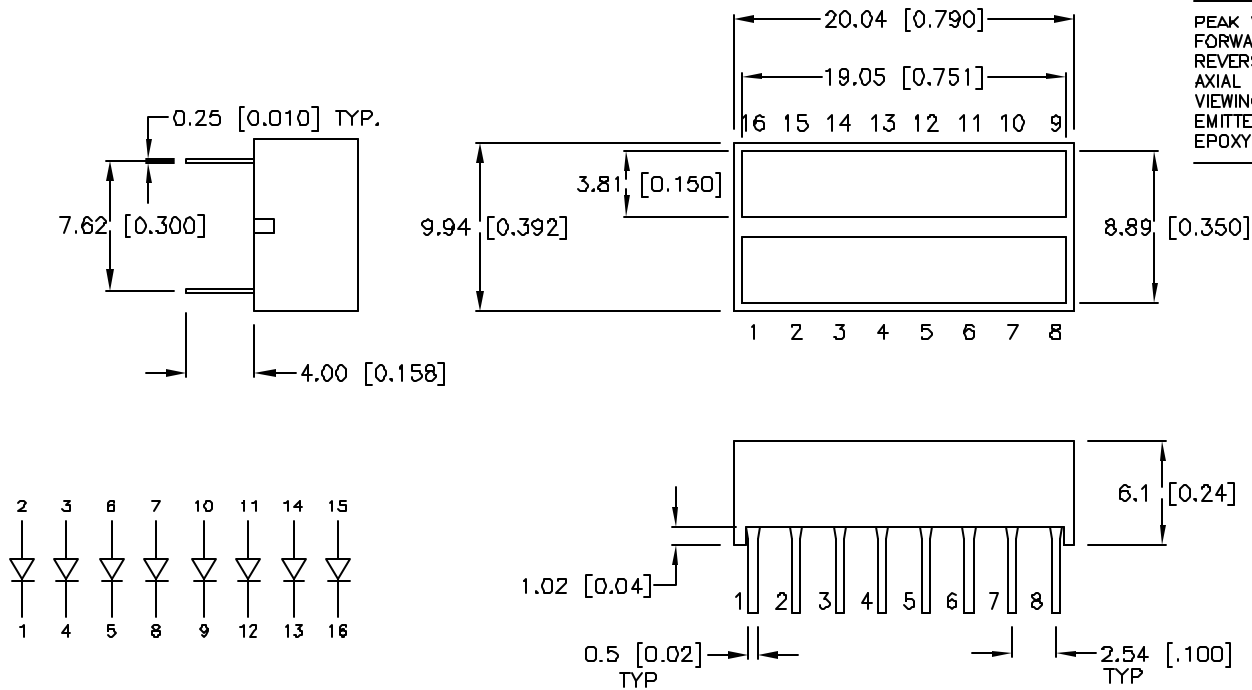
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE		2.0	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		50		mod	$I_f=20\text{mA}$
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	105	mW
DERATE FROM 25°C	-0.5	mW/°C
OPERATING, STORAGE TEMP	-20 TO +85	°C
LEAD SOLDERING TEMP	+230	°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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DATE: 3-15-96	DWN:	CHK'D:	APPD:
SCALE: N/A			
19.05mm x 8.89mm 2 WINDOW LIGHT BAR, RED, MILKY WHITE DIFFUSED LENS			
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