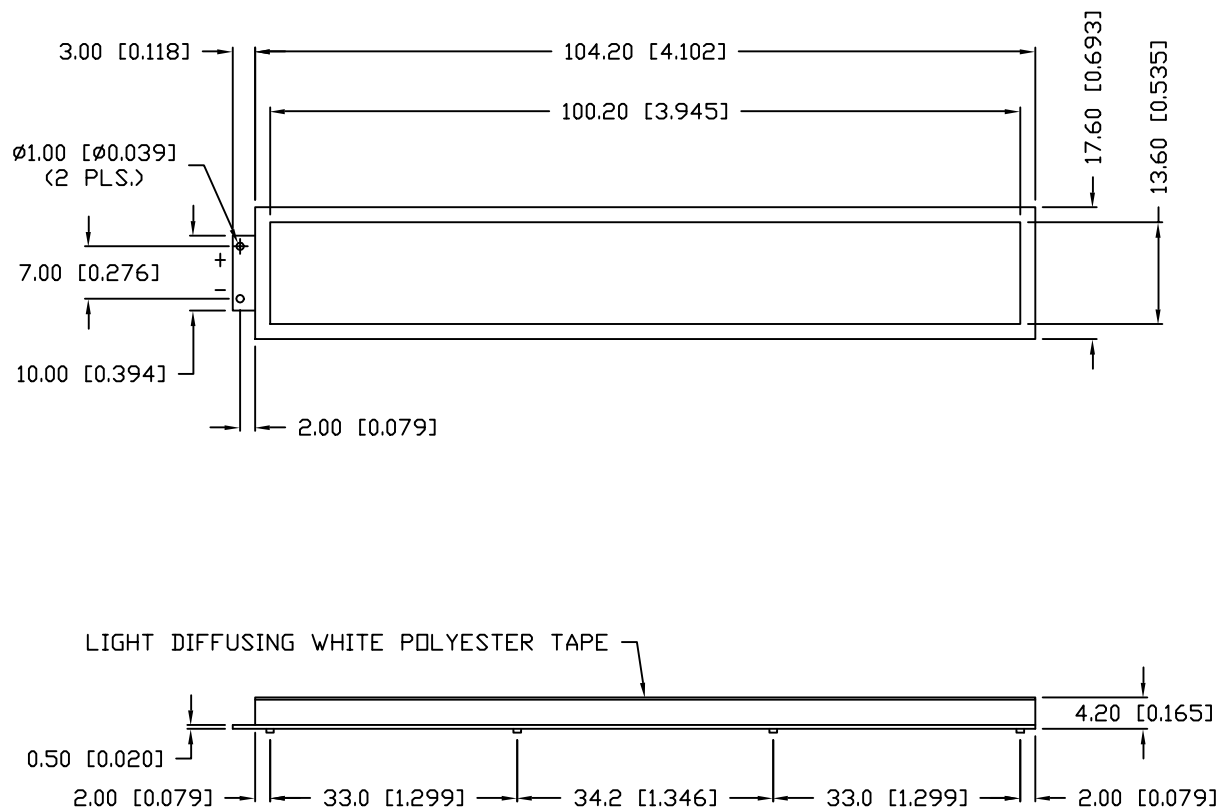


UNCONTROLLED DOCUMENT

PART NUMBER
SSB-COB100181REV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN.	1/19/00

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE		4.0	5.0	V_f	
REVERSE VOLTAGE	8			V_r	$V_r=100\mu\text{A}$
LUMINOUS INTENSITY		300		cd/m^2	$I_f=380\text{mA}$
EMITTED COLOR:	RED				
REFLECTOR FINISH:	CLEAR WHITE				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT	475	mA
STEADY CURRENT	380	mA
POWER DISSIPATION	2.5	W
DERATE FROM 25°C	62	$\text{mW}/^{\circ}\text{C}$
OPERATING TEMP.	-45 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	-45 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+230	$^{\circ}\text{C}$
2.0mm FROM BODY	5 SEC. MAX	

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*TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010). LEAD LENGTH=±0.75 (±0.030). MIN.=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV.
APART NUMBER
SSB-COB100181

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LUMEX
INCORPORATED

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100mm x18mm BACKLIGHT DISPLAY, 38 CHIPS ON BOARD,
635nm RED CHIPS, MILKY WHITE DIFFUSER TAPE.

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.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 2-23-93
SS/DU			PAGE: 1 OF 1
			SCALE: N/A