

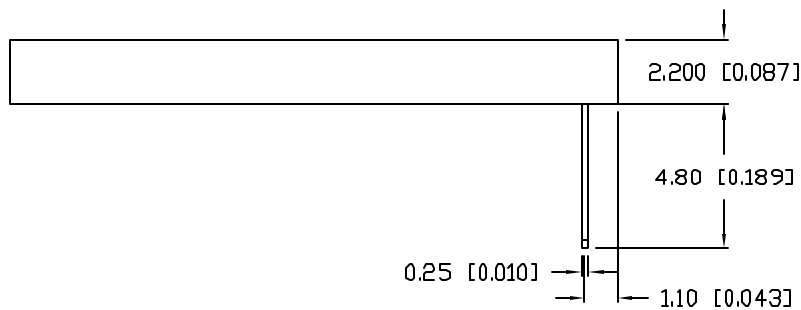
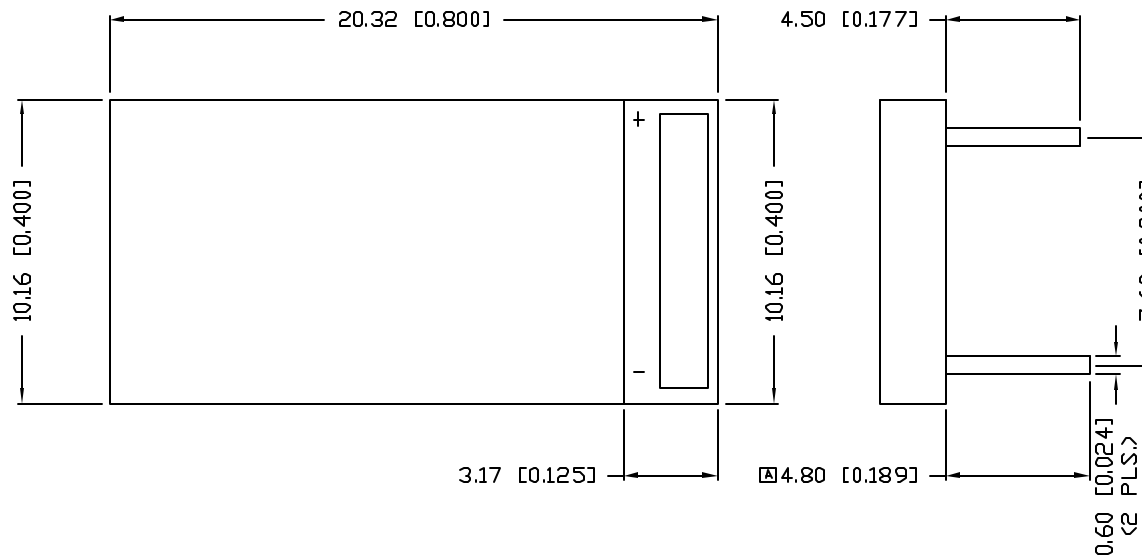
UNCONTROLLED DOCUMENT

PART NUMBER  
SSB-DL2010GC/A

REV.

A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11477.	2.20.07



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		4.4	5.2	$V_f$	
REVERSE VOLTAGE	10			$V_r$	$V_r=100\mu\text{A}$
LUMINOUS INTENSITY		24		$\text{cd}/\text{m}^2$	$I_f=100\text{mA}$
EMITTED COLOR:	GREEN				
REFLECTOR FINISH:	CLEAR WHITE				

MATERIAL: POLYCARBONATE

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$  PER LED

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	156	W
DERATE FROM $25^{\circ}\text{C}$	-1.2	$\text{mW}/^{\circ}\text{C}$
OPERATING TEMP.	-20 TO +70	$^{\circ}\text{C}$
STORAGE TEMP.	-30 TO +80	$^{\circ}\text{C}$
SOLDERING TEMP.	+240	$^{\circ}\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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



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\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005), LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN.= +DECIMAL PRECISION -0.00, MAX.= +0.00 -DECIMAL PRECISION

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20mm x 10mm LCD BACKLIGHT, 565nm GREEN CHIPS, CLEAR WHITE REFLECTOR.	

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**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.

		290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw	
		DRAWN BY: jc	CHECKED BY: