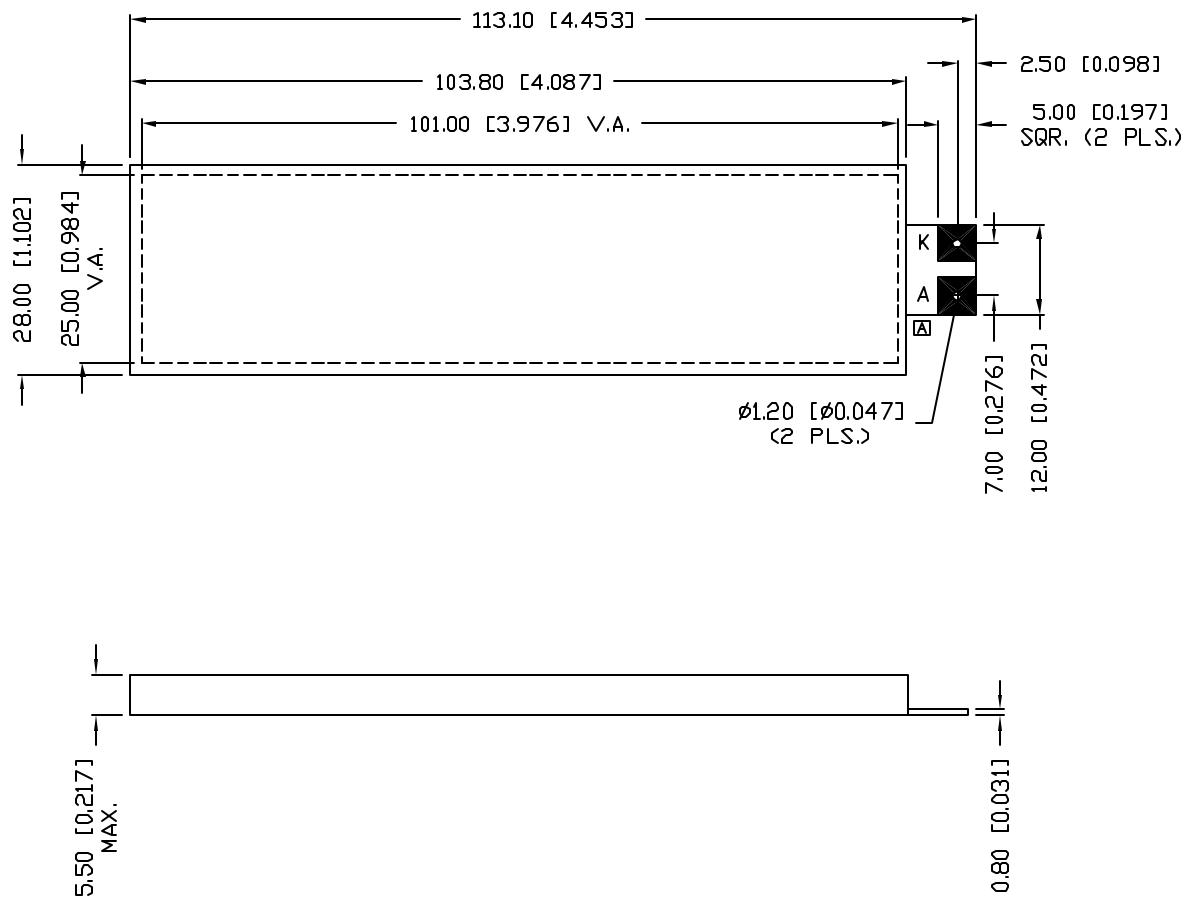


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSB-COB10125GW-B		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11210	1/28.05



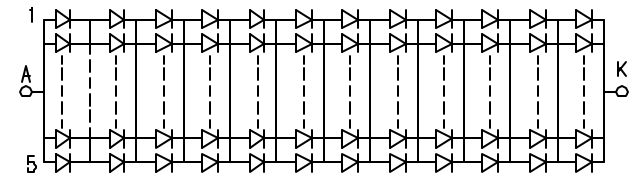
ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$  PER MODULE  $I_f=120\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		10.5	11.25	$V_f$	
REVERSE VOLTAGE	8			$V_r$	$I_f=2.6\text{mA}$
LUMINOUS INTENSITY		280		$\text{cd}/\text{m}^2$	$I_f=120\text{mA}$
EMITTED COLOR:	GREEN				
REFLECTOR FINISH:	WHITE				

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

PARAMETER	MAX	UNITS
STEADY CURRENT	192	mA
POWER DISSIPATION	2.16	W
DERATE FROM $25^\circ\text{C}$ , PER DIE	-1.2	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

12 CHIPS IN SERIES  
5 PARALLEL BRANCHES



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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

REV.	PART NUMBER
A	SSB-COB10125GW-B

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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.

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101mm x 25mm VIEW AREA, CHIP ON BOARD LED BACKLIGHT,  
565nm GREEN, 60 CHIPS, 10.5V @ 120mA.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
JD			7.14.04
			PAGE: 1 OF 1
			SCALE: N/A