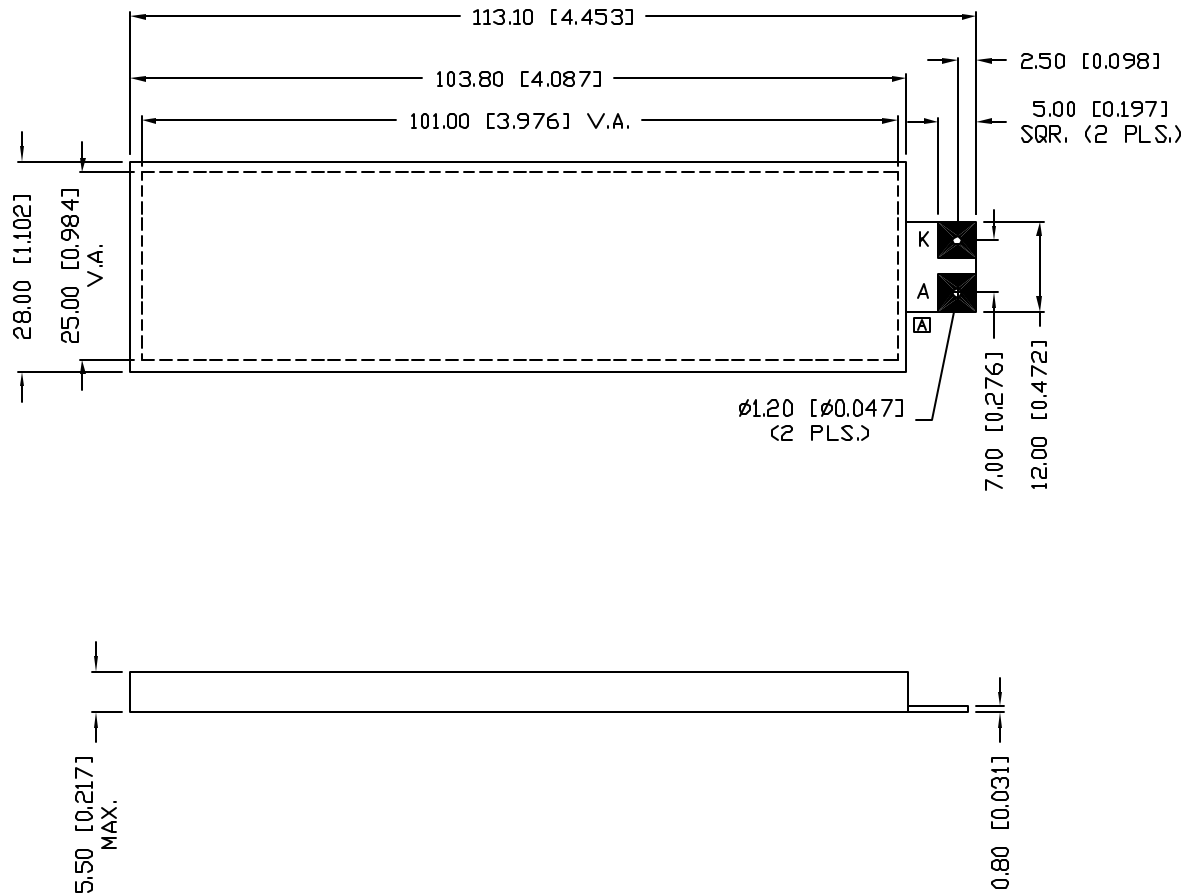


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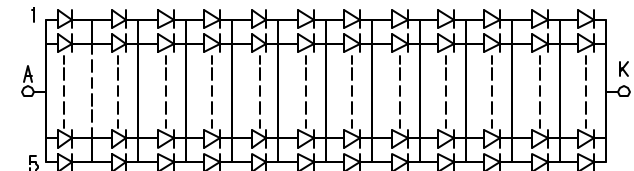
PART NUMBER
SSB-COB10125GW-BREV.
A

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	$I_r=2.6\text{mA}$
LUMINOUS INTENSITY		280		cd/m^2	$I_f=120\text{mA}$
EMITTED COLOR:	GREEN				
REFLECTOR FINISH:	WHITE				

LIMITS OF SAFE OPERATION AT 25°C PER MODULE

PARAMETER	MAX	UNITS
STEADY CURRENT	192	mA
POWER DISSIPATION	2.16	W
DERATE FROM 25°C , PER DIE	-1.2	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.
APART NUMBER
SSB-COB10125GW-B101mm x 25mm VIEW AREA, CHIP ON BOARD LED BACKLIGHT,
565nm GREEN, 60 CHIPS, 10.5V @ 120mA.

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