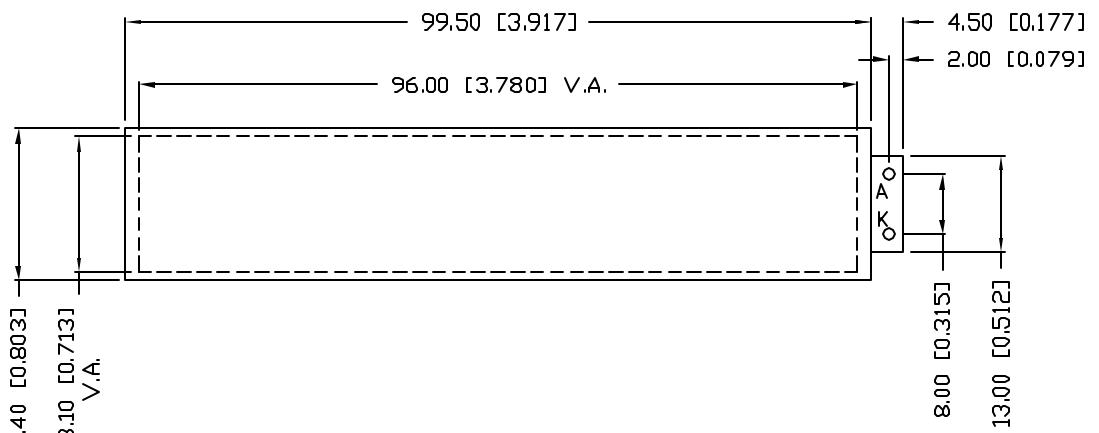


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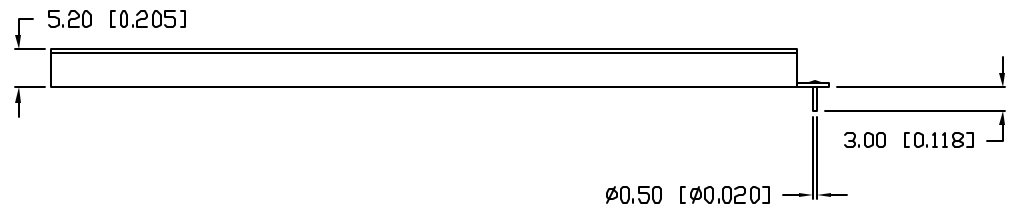
PART NUMBER  
SSB-COB9618GW

REV.



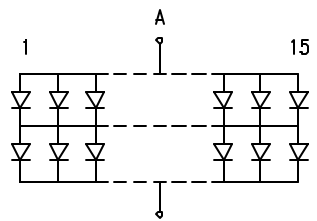
ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$  PER MODULE  $I_f=150\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		4.2	4.5	$V_f$	
REVERSE VOLTAGE	8			$V_r$	$I_r=1.5\text{mA}$
LUMINOUS INTENSITY		250		$\text{cd/m}^2$	$I_f=150\text{mA}$
EMITTED COLOR:	GREEN				
REFLECTOR FINISH:	WHITE				



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

PARAMETER	MAX	UNITS
STEADY CURRENT	240	mA
POWER DISSIPATION	1080	mW
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



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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  
SSB-COB9618GW

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96mm x 18mm VIEW AREA, CHIP ON BOARD LED BACKLIGHT,  
30 CHIPS, 565nm GREEN, 4.2V @ 150mA

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: BC  
CHECKED BY:

APPROVED BY: DATE: 6.8.04  
PAGE: 1 OF 1  
SCALE: N/A