

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

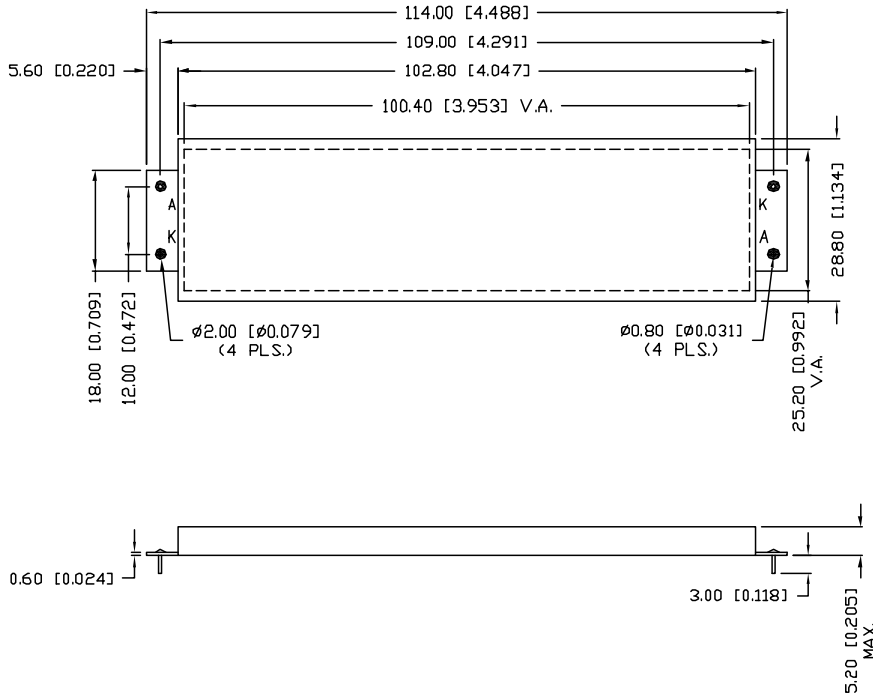
[Lumex, Inc.](#)  
[SSB-COB10025GW](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

UNCONTROLLED DOCUMENT

PART NUMBER  
SSB-COB10025GW

REV.

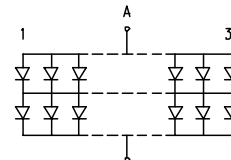


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$  PER MODULE  $I_f=360\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		4.2	4.5	$V_f$	
REVERSE VOLTAGE	8			$V_r$	$I_f=3.6\text{mA}$
LUMINOUS INTENSITY		250		$\text{cd}/\text{m}^2$	$I_f=360\text{mA}$
EMITTED COLOR:	GREEN				
REFLECTOR FINISH:	WHITE				


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

PARAMETER	MAX	UNITS
STEADY CURRENT	576	mA
POWER DISSIPATION	2.59	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



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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 MAX=-DECIMAL PRECISION

REV.	PART NUMBER SSB-COB10025GW	CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.	 290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw
100mm x 25mm VIEW AREA, CHIP ON BOARD LED BACKLIGHT, 72 CHIPS, 565nm GREEN, 4.2V @ 360mA		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