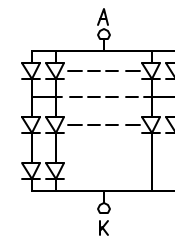


ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ PER MODULE					$I_f=110\text{mA}$
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		10.5	11.0	$V_f$	
REVERSE VOLTAGE			20	$V_r$	$I_r=1.1\text{mA}$
LUMINOUS INTENSITY		380		$\text{cd/m}^2$	$I_f=110\text{mA}$
EMITTED COLOR:	GREEN				
REFLECTOR FINISH:	WHITE				

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

PARAMETER	MAX	UNITS
STEADY CURRENT	176	mA
POWER DISSIPATION	1.94	W
DERATE FROM $25^\circ\text{C}$ , 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	



2 CHIPS IN SERIES  
10 PARALLEL BRANCHES  
AND  
3 CHIPS IN SERIES  
11 PARALLEL BRANCHES

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

REV.

PART NUMBER

SSB-COB6631GW

66mm x 31mm VIEW AREA, CHIP ON BOARD LED BACKLIGHT,  
565nm GREEN, 53 CHIPS, 4.2V @ 110mA.

## 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.

## 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:

BC

CHECKED BY:

APPROVED BY:

DATE: 7.1.04

PAGE: 1 OF 1

SCALE: N/A

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lumex:

[SSB-COB6631GW](#)