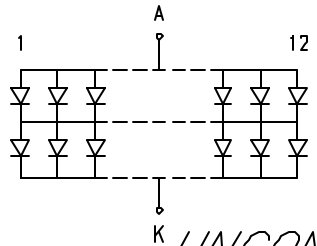


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$  PER MODULE  $I_f=120\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		4.2	4.5	$V_f$	
REVERSE VOLTAGE	8			$V_r$	$I_r=1.2\text{mA}$
LUMINOUS INTENSITY		50		$\text{cd}/\text{m}^2$	$I_f=120\text{mA}$
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	0.86	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  
12 PARALLEL BRANCHES

UNCONTROLLED DOCUMENT

\*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-COB6519GW-A
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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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65mm x 19mm VIEW AREA, CHIP ON BOARD LED BACKLIGHT,  
24 CHIPS, 565nm GREEN, 4.2V @ 120mA

DRAWN BY: JD	CHECKED BY:	APPROVED BY:	DATE: 9.28.04 PAGE: 1 OF 1 SCALE: N/A
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