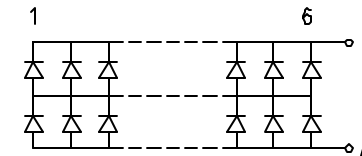


ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ PER MODULE					$I_f=60\text{ mA}$
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		4.2	4.5	$V_f$	
REVERSE VOLTAGE	8			$V_r$	$I_r=0.6\text{mA}$
LUMINOUS INTENSITY		100		$\text{cd/m}^2$	$I_f=60\text{ mA}$
EMITTED COLOR:	GREEN				
REFLECTOR FINISH:	WHITE				

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

PARAMETER	MAX	UNITS
STEADY CURRENT	150	mA
POWER DISSIPATION	0.69	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  
6 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-COB6617GW

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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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66mm x 17mm VIEW AREA, CHIPS ON BOARD LED

BACKLIGHT, 565nm GREEN, 12 CHIPS, 4.2V @ 130mA.

DRAWN BY:

JD

CHECKED BY:

APPROVED BY:

DATE: 7.30.04

PAGE: OF 1

SCALE: N/A

# Mouser Electronics

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