

DATE	REVISIONS	REV	DRAWING NUMBER	REV
	SEE PAGE 1./		SSB-C0B9530GW	J

NOTES:

- ALL COPPER TRACES AND LEAD SOLDER CONNECTIONS TO BE COVERED WITH SOLDER MASK OR CONFORMAL COATING TO PREVENT CORROSION.
- P.C.B. MATERIAL: FR4, DOUBLE SIDED.
- REFLECTOR MATERIAL: WHITE P.C.
- LEADS: TIN PLATED STEEL
- ALL P.C.B. HOLES TO BE PLATED THRU.
- PART NUM. STAMP: 929-410011-1 ON EITHER SIDE AS SHOWN, SSB-C0B9530GW ON PCB.
- DOUBLE SIDED TAPE, 3M #4945, CUT 1" SQ., APPLY 2 PLS. AS SHOWN.
- TOLERANCE: ± 0.2(± .008).
- STAMP MANUFACTURING DATE CODE & INSPECTION STAMP ON EITHER END OF PART AS SHOWN.
- DIFFUSER TAPE MUST NOT BE COVERED WITH PROTECTIVE RELEASE SHEET, SURFACE MUST BE FREE OF MARKS, CUTS, AND IMPERFECTIONS THAT AFFECT FUNCTIONALITY.
- PINS ARE STAKED AND SOLDERED ON CHIP SIDE OF PCB.
- VIAS ADDED ACROSS EACH PIN ON NEW PCB.
- BACKLIGHTS ARE PKG'D. IN MATCHED PAIRS. EACH PAIR WITHIN 4cd/m² IN INTENSITY & WITHIN AN x VALUE OF 0.003 ON THE X,Y COLOR COORDINATE SYSTEM.
- MATCHED PAIRS TO BE STAMPED WITH SAME SERIAL NUMBER.
- PINS SOLDERED ON BOTH SIDES.
- MINIMUM PIN PUSH OUT FORCE OF 11 LBS.
- NO EPOXY DROP.
- MUST PASS 60 CYCLES OF TEMP. CYCLE TEST.
TEMP. CYCLE IS -40°C TO +85°C.
2 HRS. RAMP-UP, 2 HRS. @ +85°C.
2 HRS. RAMP-DOWN, 2 HRS. @ -40°C.
BACKLIGHT IS UT AT ALL PHASES OF THE CYCLE.

ELECTRO-OPTICAL CHARACTERISTICS TA=25 °C If=720mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		570		nm	
SPECTRAL LINE HALF WIDTH		30		nm	
FORWARD VOLTAGE		4.2	4.6	V	If=720mA
REVERSE CURRENT			200	uA	Vf=-8V
LUMINOUS INTENSITY	450			cd/m ²	If=720mA

LIMITS OF SAFE OPERATION AT 25 DEG. C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT	1080	mA
REVERSE VOLTAGE	8V	Vr
POWER DISSIPATION	5.0	W
DERATE FROM 25 °C	81.3	mW/ °C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C



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DATE: 4-23-93	DWN:	CHK'D:	APPD:
SCALE: N/A			
95mm x 30mm BACKLIGHT, 72 CHIPS ON BOARD GREEN			

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