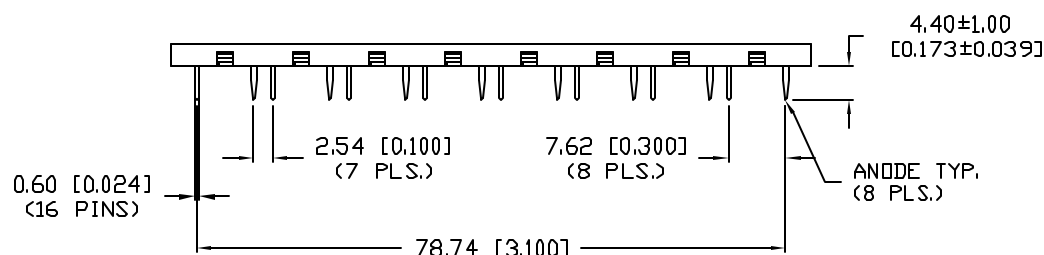
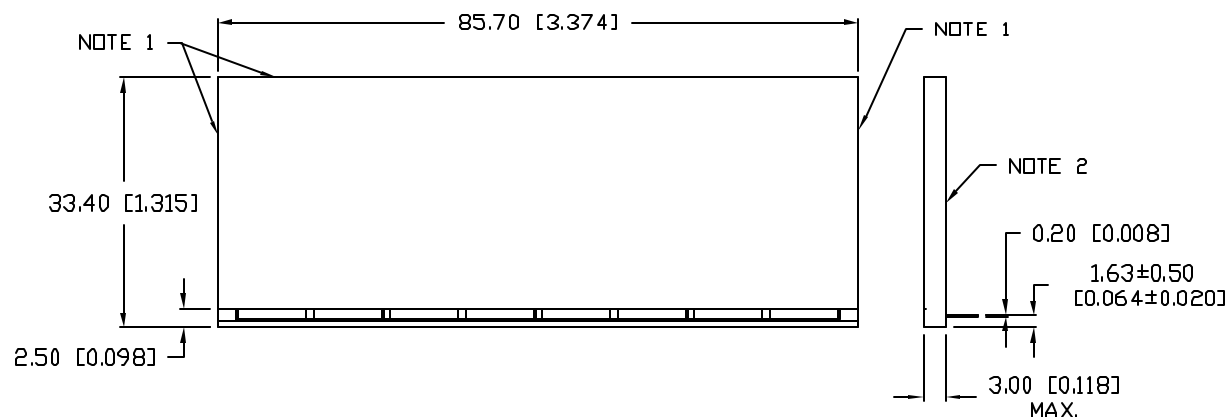


UNCONTROLLED DOCUMENT

PART NUMBER
SSB-DL8634GW

REV.
A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|-------------------------------------|---------|
| A | E.C.N. #10889 & #10BRDR. | 7.15.02 |



NOTES:

1. EDGE SURFACES TO BE PAINTED WITH REFLECTIVE PAINT.
2. BACK SURFACE TO PAINTED WITH HIGH REFLECTIVE WHITE PAINT.
3. SSB-DL8634W REFLECTOR.
4. SSB-LX02GC, SIDE EMITTING LED. (8 PCS.)

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=80\text{ mA}$

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|-----|-------------|-----|-----------------|--------------------|
| PEAK WAVELENGTH | | 565 (GREEN) | | nm | |
| FORWARD VOLTAGE | | 4.4 | 5.2 | V_f | |
| REVERSE VOLTAGE | 10 | | | V_r | $V_r=8\text{V}$ |
| LUMINOUS INTENSITY | | 25 | | cd/m^2 | $I_f=80\text{ mA}$ |
| EMITTED COLOR: | | GREEN | | | |
| REFLECTOR FINISH: | | CLEAR WHITE | | | |

LIMITS OF SAFE OPERATION AT 25°C PER MODULE

| PARAMETER | MAX | UNITS |
|----------------------------------|------------|------------------------|
| PEAK FORWARD CURRENT* | 200 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 920 | mW |
| DERATE FROM 25°C | -1.2 | mW/ $^{\circ}\text{C}$ |
| OPERATING TEMP. | -20 TO +70 | $^{\circ}\text{C}$ |
| STORAGE TEMP. | -40 TO +80 | $^{\circ}\text{C}$ |
| SOLDERING TEMP. | +240 | $^{\circ}\text{C}$ |
| 2.0mm FROM BODY | | 3 SEC. MAX |

* $t < 10\mu\text{s}$

REPLACES PART #: SSB-DL8634GC

*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.
A

PART NUMBER
SSB-DL8634GW

86mm x 34mm LCD BACKLIGHT,
8 MODULES, 565nm GREEN CHIPS.

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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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