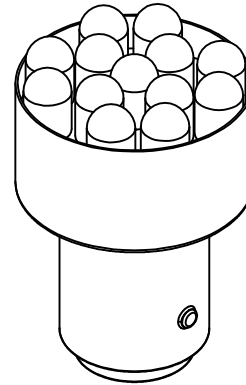
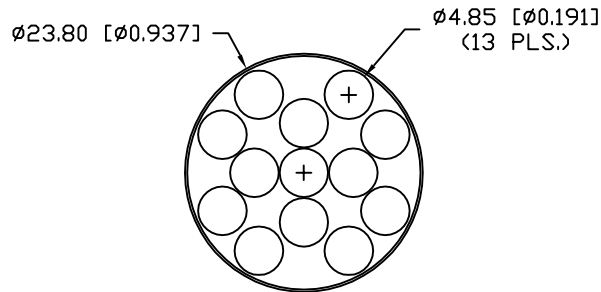


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PART NUMBER
SSP-13MDB156U12G

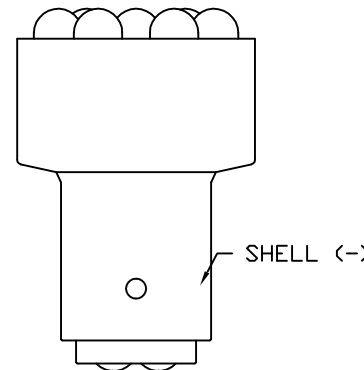
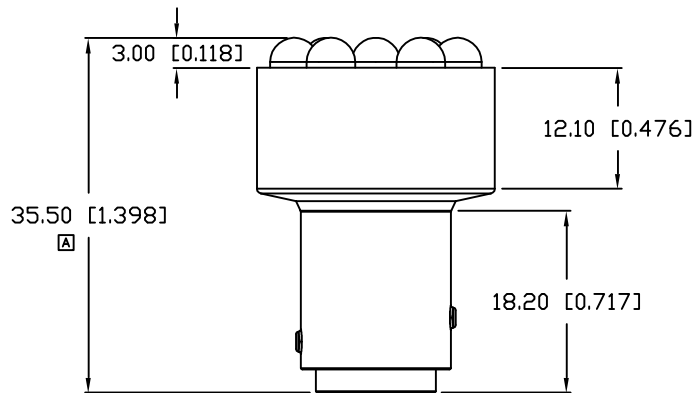
REV.
B

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|-------------------------------------|---------|
| A | E.C.N. #10950. | 1.28.03 |
| B | E.C.N. #10993. | 5.21.03 |



□ ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $V_f=12\text{V}$

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|-------------|-------|-----|----------|----------------------|
| PEAK WAVELENGTH | | 626 | | nm | |
| FORWARD VOLTAGE | | 12.0 | | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 55500 | | mcd | $V_f=12\text{V}$ |
| VIEWING ANGLE | | 30 | | 2x theta | |
| EMITTED COLOR: | RED | | | | |
| EPOXY LENS FINISH: | WATER CLEAR | | | | |



TAIL LIGHT (+) BRAKE LIGHT (+)

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

| PARAMETER | MAX | UNITS |
|--------------------------|------------|-------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 25°C | -1.2 | mW/°C |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C |

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

*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= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT

| REV. | PART NUMBER |
|------|------------------|
| B | SSP-13MDB156U12G |

0.94" CIRCULAR, 13 LAMP POLYLED, RED,
1157 BASE, DOUBLE CONTACT AUTO BAYONET.

CONFIDENTIAL INFORMATION
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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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| DRAWN: | CHECKED: | APPROVED: | DATE: | CT |
|--------------|----------|-----------|-------|----|
| 5.30.01 | | | | |
| PAGE: 1 OF 1 | | | | |