

UNCONTROLLED DOCUMENT

PART NUMBER  
SSP-24MB152UP12G

REV.

A

REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE

A E.C.N. #10950.

1.30.03

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

| PARAMETER          | MIN         | TYP     | MAX | UNITS    | TEST COND            |
|--------------------|-------------|---------|-----|----------|----------------------|
| PEAK WAVELENGTH    |             | 525     |     | nm       |                      |
| FORWARD VOLTAGE    |             | 12.0    |     | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0         |         |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |             | 183,000 |     | mcd      | $V_f=12\text{V}$     |
| VIEWING ANGLE      |             | 60      |     | 2x theta |                      |
| EMITTED COLOR:     | GREEN       |         |     |          |                      |
| EPOXY LENS FINISH: | WATER CLEAR |         |     |          |                      |

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

| PARAMETER                      | MAX        | UNITS                      |
|--------------------------------|------------|----------------------------|
| PEAK FORWARD CURRENT*          | 100        | mA                         |
| STEADY CURRENT                 | 30         | mA                         |
| POWER DISSIPATION              | 15         | mW                         |
| DERATE FROM $25^\circ\text{C}$ | -1.2       | $\text{mW}/^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.       | -30 TO +70 | $^\circ\text{C}$           |

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

CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.

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\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE:  $X=\pm 1$  ( $\pm 0.039$ ),  $X.X=\pm 0.5$  ( $\pm 0.020$ ),  $X.XX=\pm 0.25$  ( $\pm 0.010$ ),  $X.XXX=\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN=+DECIMAL PRECISION MAX.=+0.00  
-0.00 -DECIMAL PRECISION

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1.28" CIRCULAR, 24 LAMP POLYLED,  
525nm ULTRA PURE GREEN CHIPS, WATER CLEAR LENS,  
BA15 BASE, SINGLE 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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