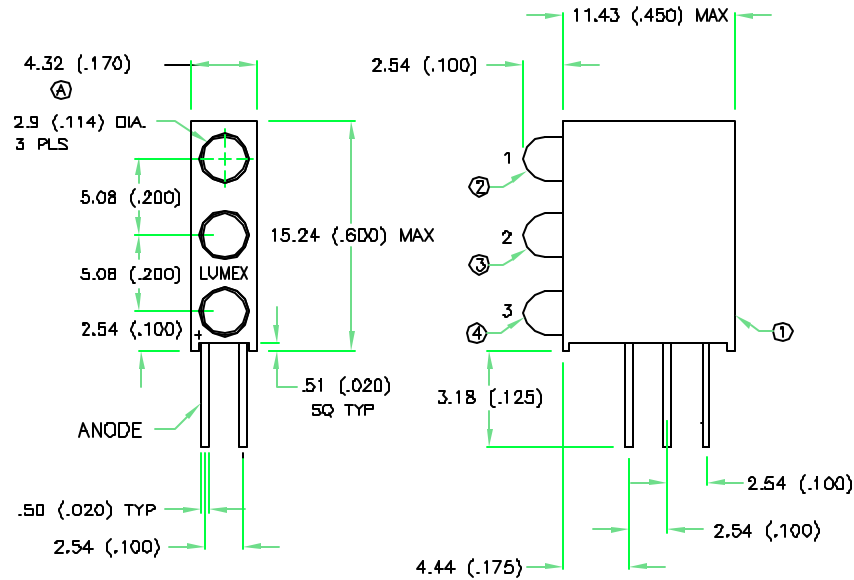




| DATE    | REVISIONS       | REV |
|---------|-----------------|-----|
| 9-23-96 | E.C.N. #10244./ | A   |

| DRAWING NUMBER | REV |
|----------------|-----|
| SSF-LXH340YGID | A   |



ELECTRO-OPTICAL CHARACTERISTICS TA=25 °C If=20mA

| PARAMETER          | MIN                         | TYP          | MAX       | UNITS          | TEST COND             |
|--------------------|-----------------------------|--------------|-----------|----------------|-----------------------|
| PEAK WAVELENGTH    | POS. 1                      | 585 (YELLOW) |           | nm             |                       |
|                    | POS. 2                      | 565 (GREEN)  |           | nm             |                       |
|                    | POS. 3                      | 635 (RED)    |           | nm             |                       |
| FORWARD VOLTAGE    |                             | 2.1          | 2.8       | V <sub>f</sub> |                       |
| REVERSE VOLTAGE    | 5.0                         |              |           | V <sub>r</sub> | I <sub>r</sub> =100uA |
| AXIAL INTENSITY    |                             | 15           |           | mcad           | I <sub>f</sub> =20mA  |
| VIEWING ANGLE      |                             | 80           |           | 2x theta       |                       |
| EMITTED COLOR:     | POS.1-YELLOW                | POS.2-GREEN  | POS.3-RED |                |                       |
| EPOXY LENS FINISH: | YELLOW, GREEN, RED DIFFUSED |              |           |                |                       |

LIMITS OF SAFE OPERATION AT 25 DEG. C

| PARAMETER                | MAX        | UNITS      |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT*    | 150        | mA         |
| STEADY CURRENT(Y/G/I)    | 30/25/30   | mA         |
| POWER DISSIPATION        | 105        | mW         |
| DERATE FROM 25 °C        | -1.6       | mW/ °C     |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C         |
| LEAD SOLDERING TEMP.     | +260       | °C         |
| 2.0mm FROM BODY          |            | 3 SEC. MAX |

\* t<10uS

BILL OF MATERIALS:

- SSH-LXH340 HOLDER. MATERIAL: BLACK NYLON 94V-0.
- SSL-LX3044YD LED.
- SSL-LX3044GD LED.
- SSL-LX3044ID LED.

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.



290 E. HELLEN ROAD  
PALATINE, ILLINOIS 60067  
(847) 359-2790

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|               |      |        |       |
|---------------|------|--------|-------|
| DATE: 8-28-96 | DWN: | CHK'D: | APPD: |
| SCALE: N/A    |      |        |       |

T-3mm LED, RIGHT ANGLE FAULT INDICATOR,  
YELLOW/GREEN/RED DIFFUSED

|             |                                  |          |
|-------------|----------------------------------|----------|
| PAGE 1 OF 1 | DRAWING NUMBER<br>SSF-LXH340YGID | REV<br>A |
|-------------|----------------------------------|----------|

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