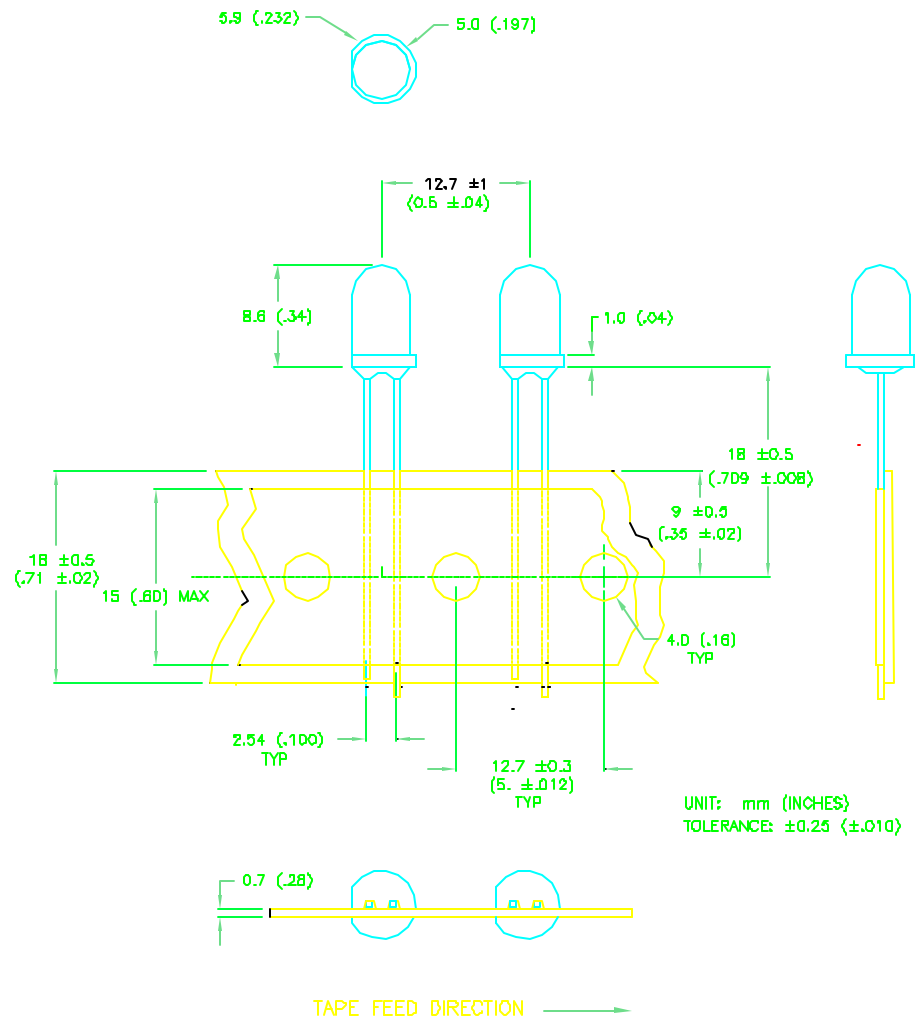


| | | |
|---------|--------------------------|-----|
| DATE | REVISIONS | REV |
| 2-13-95 | REDRAWN, UPDATED SPECS./ | A |

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|-----------------|-----|
| DRAWING NUMBER | REV |
| SSL-LX5093ID-TR | A |



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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|--------------|-----------|-----|----------------|-----------------------|
| PEAK WAVELENGTH | | 635 (RED) | | nm | |
| FORWARD VOLTAGE | | 2.0 | 2.8 | V _f | |
| REVERSE VOLTAGE | 5.0 | | | V _r | I _r =100uA |
| AXIAL INTENSITY | | 20 | | med | I _f =20mA |
| VIEWING ANGLE | | 80 | | 2x theta | |
| EMITTED COLOR: | RED | | | | |
| EPOXY LENS FINISH: | RED DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25 DEG. C

| 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 |
| LEAD SOLDERING TEMP. 2.0mm FROM BODY | +260 | °C 3 SEC. MAX |

* t<10uS



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| | | | |
|-------------------------|------|--------|-------|
| DATE: 11-5-92 | DWN: | CHK'D: | APPD: |
| SCALE: DO NOT SCALE DWG | | | |

T5 (T 1-3/4) LED, RED DIFFUSED, TAPE AND REEL

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.

| | | |
|-------------|-----------------------------------|----------|
| PAGE 1 OF 1 | DRAWING NUMBER SSL-LX5093ID-TR | REV A |
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