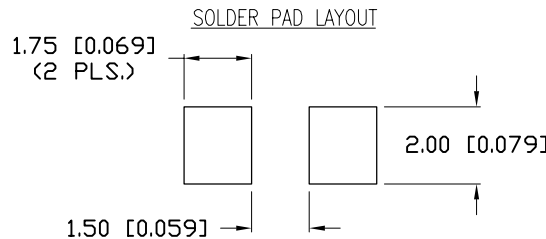
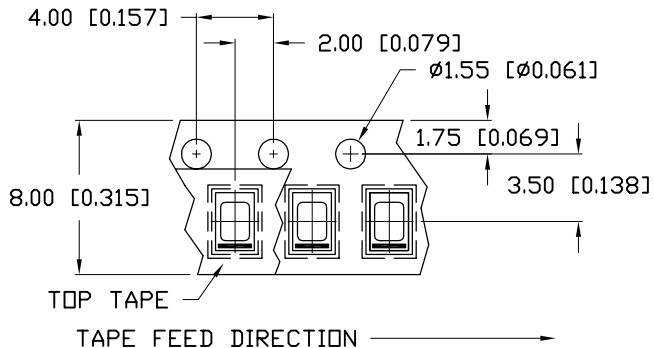
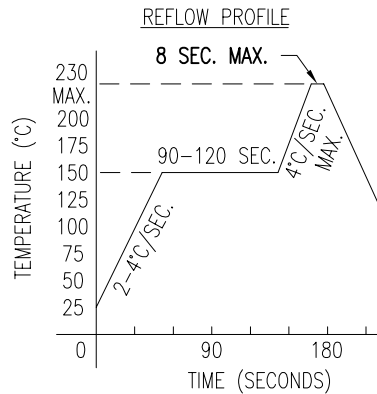
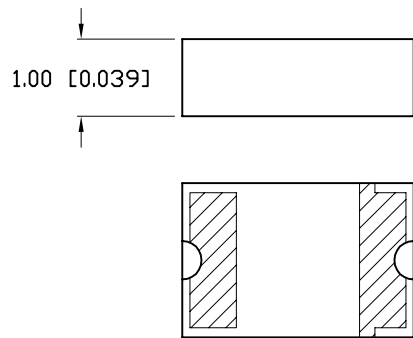


ANODE CATHODE



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|-----|-----|-----|----------------|----------------------|
| PEAK WAVELENGTH | | 940 | | nm | |
| SPECTRAL BANDWIDTH | | 50 | | nm | |
| FORWARD VOLTAGE | | 1.2 | 1.4 | V _f | |
| REVERSE VOLTAGE | 5.0 | | | V _r | I _f =10μA |
| RADIANT INTENSITY | 1.0 | 1.8 | | mW/SR | I _f =50mA |
| HALF ANGLE | | ±50 | | degrees | |

EPOXY LENS FINISH: WATER CLEAR

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 1 | A |
| STEADY CURRENT | 50 | mA |
| POWER DISSIPATION | 80 | mW |
| DERATE FROM 25°C | -1.6 | mW/°C |
| OPERATING TEMP. | -20 TO +70 | °C |
| STORAGE TEMP. | -30 TO +80 | °C |

* $t_p < 100\mu\text{s}$, $t_p/T = 0.01$

NOTES:

1. 3000 PARTS PER REEL.

*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

| | |
|-----------|------------------------------|
| REV. E | PART NUMBER OED-EL-23A-TR |
|-----------|------------------------------|

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WATER CLEAR LENS, 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.

| | | | |
|-----------------|-------------------|--------------------|---|
| DRAWN BY: BC | CHECKED BY: BC | APPROVED BY: BC | DATE: 2.13.96 PAGE: 1 OF 1 SCALE: N/A |
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