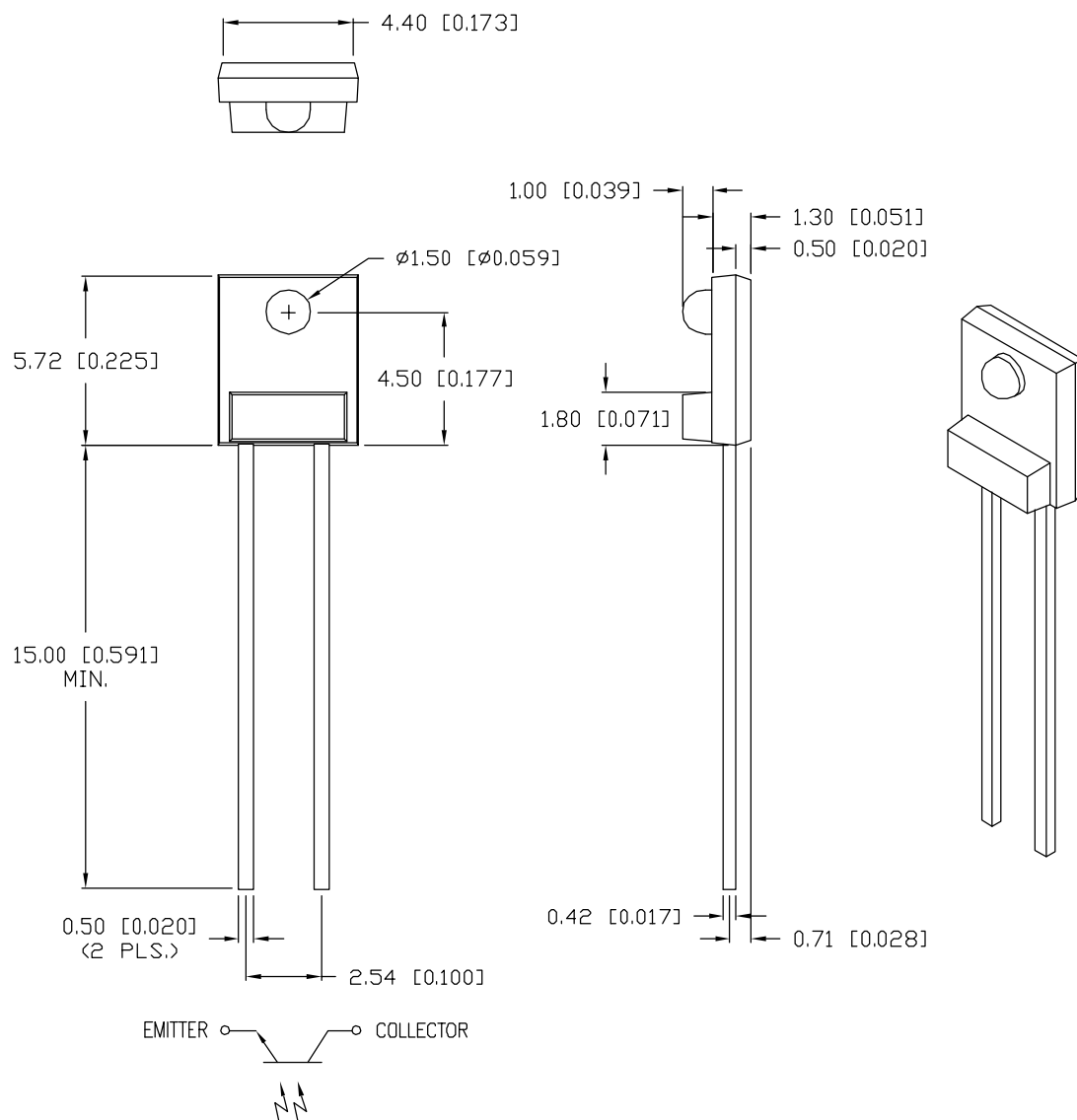


ELECTRO-OPTICAL CHARACTERISTICS  $T_A = 25^\circ\text{C}$ 

| PARAMETER              | MIN   | TYP     | MAX | UNITS         | TEST COND                                                                                 |
|------------------------|-------|---------|-----|---------------|-------------------------------------------------------------------------------------------|
| SPECTRAL SENSITIVITY   |       | 880     |     | nm            |                                                                                           |
| C/E SATURATION VOLTAGE |       | 0.2     | 0.4 | V             | $I_c = 2\text{mA}$<br>$E_e = 20\text{mW/cm}^2$<br>$V_{ce} = 10\text{V}$                   |
| COLLECTOR DARK CURRENT |       |         | 100 | nA            | $E_e = 0.0\text{mW/cm}^2$<br>$V_{ce} = 5\text{V}$                                         |
| COLLECTOR ON CURRENT   | 0.5   | 4.0     |     | mA            | $E_e = 1.0\text{mW/cm}^2$<br>$I_c = 1\text{mA}$<br>$V_{ce} = 5\text{V}, R_L = 1000\Omega$ |
| SWITCHING TIME         |       | 3.2/4.8 |     | $\mu\text{S}$ |                                                                                           |
| EPOXY FINISH:          | CLEAR |         |     |               |                                                                                           |

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

| PARAMETER             | MAX         | UNITS            |
|-----------------------|-------------|------------------|
| C/E BREAKDOWN VOLTAGE | 30          | V                |
| E/C BREAKDOWN VOLTAGE | 5           | V                |
| POWER DISSIPATION     | 100         | mW               |
| OPERATING TEMP.       | -20 TO +85  | $^\circ\text{C}$ |
| STORAGE TEMP.         | -30 TO +100 | $^\circ\text{C}$ |
| SOLDERING TEMP.       | +260        | $^\circ\text{C}$ |
| 2.0mm FROM BODY       | 3 SEC. MAX  |                  |

\*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.

PART NUMBER  
OED-ST-23FT-1.5mm DOMED, HIGH OUTPUT PHOTO TRANSISTOR,  
WATER CLEAR LENS, SIDE DETECTING.

## 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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SCALE: N/A