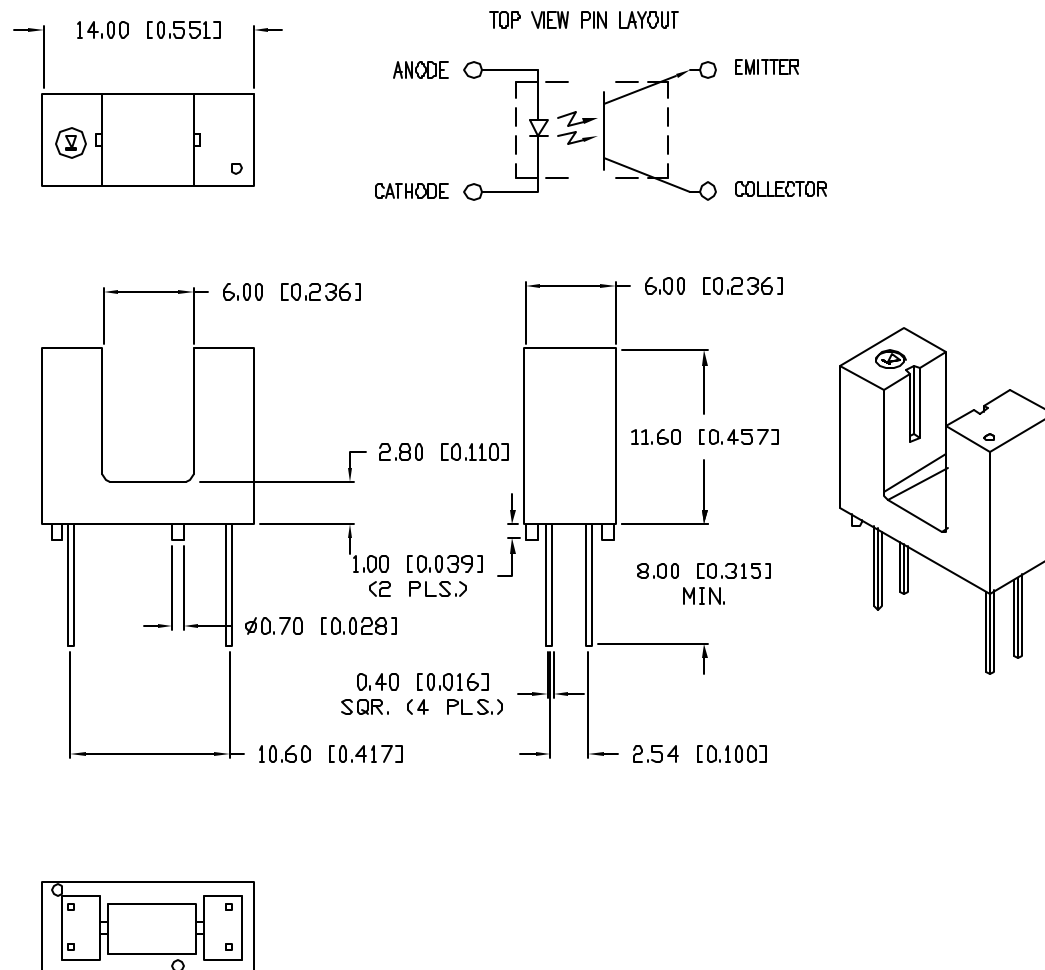


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=20\text{ mA}$ 

| PARAMETER              | MIN | TYP | MAX | UNITS         | TEST COND                                                         |
|------------------------|-----|-----|-----|---------------|-------------------------------------------------------------------|
| PEAK WAVELENGTH        |     | 940 |     | nm            |                                                                   |
| FORWARD VOLTAGE        |     | 1.2 | 1.5 | V             | $I_f=30\text{ mA}$                                                |
| REVERSE VOLTAGE        | 5.0 |     |     | V             | $I_c=10\text{ }\mu\text{A}$                                       |
| DARK CURRENT           |     |     | 100 | nA            | $V_{ce}=10\text{ V}$                                              |
| C/E SATURATION VOLTAGE |     |     | 0.4 | V             | $I_c=0.5\text{ mA}$                                               |
| COLLECTOR ON CURRENT   | 0.5 |     |     | mA            | $V_{ce}=5\text{ V}$                                               |
| SWITCHING TIME         |     | 15  |     | $\mu\text{S}$ | $I_f=20\text{ mA}$<br>$V_{ce}=5\text{ V}, R_L=1000\text{ }\Omega$ |

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

| PARAMETER             | MAX        | UNITS              |
|-----------------------|------------|--------------------|
| PEAK FORWARD CURRENT  | 50         | mA                 |
| REVERSE VOLTAGE       | 5          | V                  |
| C/E BREAKDOWN VOLTAGE | 30         | V                  |
| E/C BREAKDOWN VOLTAGE | 5          | V                  |
| POWER DISSIPATION     | 75         | mW                 |
| OPERATING TEMP.       | -25 TO +85 | $^{\circ}\text{C}$ |
| STORAGE TEMP.         | -40 TO +85 | $^{\circ}\text{C}$ |
| SOLDERING TEMP.       | +260       | $^{\circ}\text{C}$ |
| 2.0mm FROM BODY       |            | 5 SEC. MAX         |

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

REV.

PART NUMBER

OED-SI60160

PHOTO INTERRUPTER.

## 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