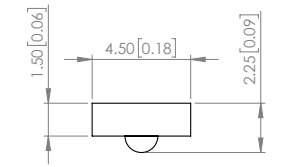
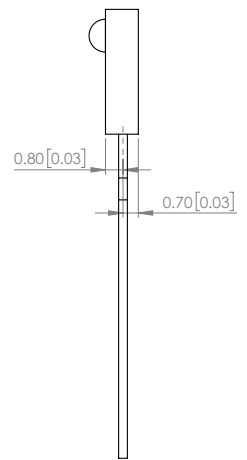
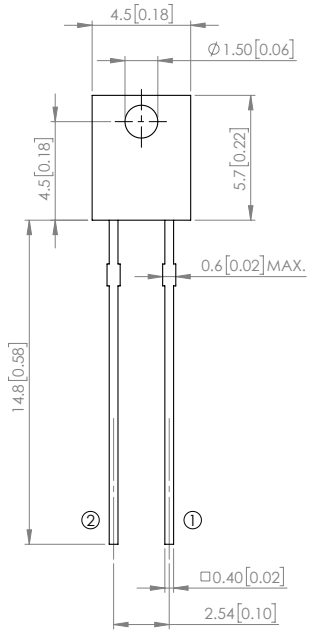
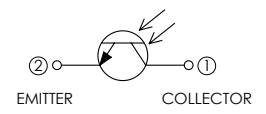


| | | | | |
|--------------------|--------------------------------------------|---------------|------------|-------------|
| PART NUMBER | | OED-ST-1556SN | REV | D |
| REV | E.C.N. NUMBER AND REVISION COMMENTS | | | DATE |
| A | E.C.N. #10330. | | | 04.11.97 |
| B | E.C.N. #10BRDR. | | | 12.22.97 |
| C | E.C.N. #10BRDR. & REDRAWN IN 3D. | | | 05.30.03 |
| D | ECN-Lumex201700075 | | | 09.21.17 |



POLARITY



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

| PARAMETER | SYMBOL | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------------------|---------------|-----|-----|-----|-------|-----------------------------------|
| C-E BREAKDOWN VOLTAGE | BV_{CEO} | 30 | - | - | V | $I_C=100\mu A$ $E_e=0mW/cm^2$ |
| E-C BREAKDOWN VOLTAGE | BV_{ECO} | 5 | - | - | V | $I_E=100\mu A$ $E_e=0mW/cm^2$ |
| C-E SATURATION VOLTAGE | $V_{CE(sat)}$ | - | - | 0.4 | V | $I_C=2mA$ $E_e=1mW/cm^2$ |
| SPECTRAL SENSITIVITY | λ_p | - | 940 | - | nm | - |
| COLLECTOR DARK CURRENT | I_{CEO} | - | - | 100 | nA | $V_{CE}=20V$ $E_e=0mW/cm^2$ |
| COLLECTOR LIGHT CURRENT | I_C | 0.8 | - | 5.0 | mA | $V_{CE}=5V$ $E_e=0.555mW/cm^2$ |
| EPOXY LENS FINISH | WATER CLEAR | | | | | |

ABSOLUTE MAXIMUM RATINGS TA=25°C

| PARAMETER | MAX | UNITS |
|-------------------------------|------------------|-------|
| C-E VOLTAGE | 30 | V |
| E-C VOLTAGE | 5 | V |
| COLLECTOR CURRENT | 20 | mA |
| POWER DISSIPATION | 75 | mW |
| OPERATING TEMPERATURE | -25 TO +85 | °C |
| STORAGE TEMPERATURE | -40 TO +85 | °C |
| SOLDERING TEMPERATURE* | 3 SEC. MAX @ 260 | °C |

* 2.0mm FROM BODY.

NOTE:

1. RoHS COMPLIANT.
2. COMPLIANCE WITH EU REACH.
3. COMPLIANCE Halogen FREE.
(Br < 900ppm, Cl < 900ppm, Br+ Cl < 1500ppm)

*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= ^{±0.001}DECIMAL PRECISION, MAX.= ^{±0.001}DECIMAL PRECISION

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4.5(L)*5.7(W)*2.25(H)mm, T-1.5mm RIGHT ANGLE DOME LENS, PHOTO TRANSISTOR, WATER CLEAR LENS.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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| | |
|-------------------|-----------------|
| DATE : 2017.09.21 | DRAWN BY : C.C. |
| PAGE : 1 OF 1 | CHKD BY : G.Y. |
| SCALE : NTF | APRVD BY : E.C. |
| UNIT : mm [INCH] | Ⓢ |

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