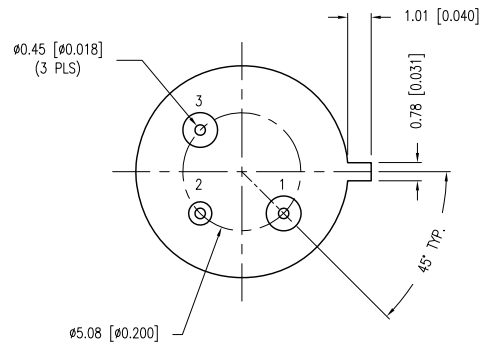
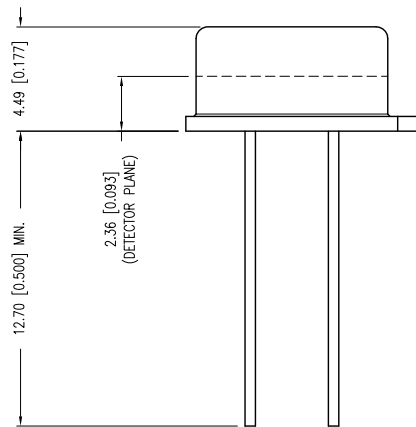
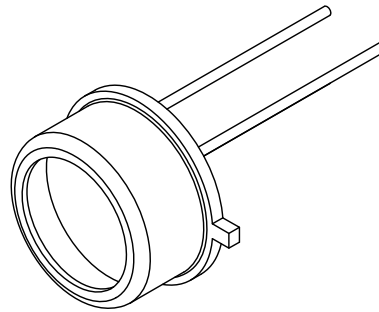
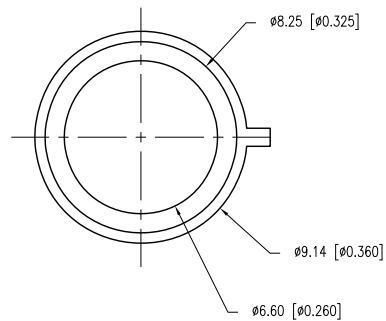




## SPECIFICATIONS

STANDARD SPECIFICATIONS: ELECTRICAL

DETECTORS TESTED USING 50V/mm ACROSS THE DETECTOR AND A 0.5MΩ LOAD RESISTOR IN SERIES.

|                                    | MIN.                 | TYP.                 | MAX. | UNITS                              |
|------------------------------------|----------------------|----------------------|------|------------------------------------|
| WAVELENGTH OF MAX. RESPONSE        | 2.2                  | 2.4                  |      | μm                                 |
| D*(500K, 650Hz, 1Hz)               | 7.5x10 <sup>8</sup>  | 9.4x10 <sup>8</sup>  |      | cm Hz <sup>2</sup> W <sup>-1</sup> |
| D*(pk, 650Hz, 1Hz)                 | 8.0x10 <sup>10</sup> | 1.0x10 <sup>11</sup> |      | cm Hz <sup>2</sup> W <sup>-1</sup> |
| ELEMENT RESISTANCE (DARK)          | 0.5                  | 1                    | 2    | MΩ/sq.                             |
| TIME CONSTANT (NOT MEASURED)       |                      | 200                  | 400  | μs                                 |
| RATED ELEMENT TEMP.                |                      |                      | 65   | °C                                 |
| ELEMENT SIZE                       |                      | 1x1                  |      | mm                                 |
| RESPONSIVITY (pk, 650) vw-1        | 5.3x10 <sup>5</sup>  | 8.0x10 <sup>5</sup>  |      |                                    |
| AMBIENT TEMP./DETECTOR OPER. TEMP. |                      | 23                   |      | °C                                 |

## PIN FUNCTION TABLE

| PIN NO. | FUNCTION | COLOR |
|---------|----------|-------|
| 1       | DETECTOR | BARE  |
| 2       | CASE GND | BARE  |
| 3       | DETECTOR | BARE  |

\*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.=<sup>+DECIMAL PRECISION</sup><sub>-0.00</sub> MAX.=<sup>+0.00</sup><sub>-DECIMAL PRECISION</sub>

UNCONTROLLED DOCUMENT



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AMBIENT PbS 1x1

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

## CONFIDENTIAL INFORMATION

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 02.10.11  | DRAWN BY: | MA |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF |
| SCALE: | NTS       | APRVD BY: | KF |
| UNIT:  | mm [INCH] |           | Ⓟ  |