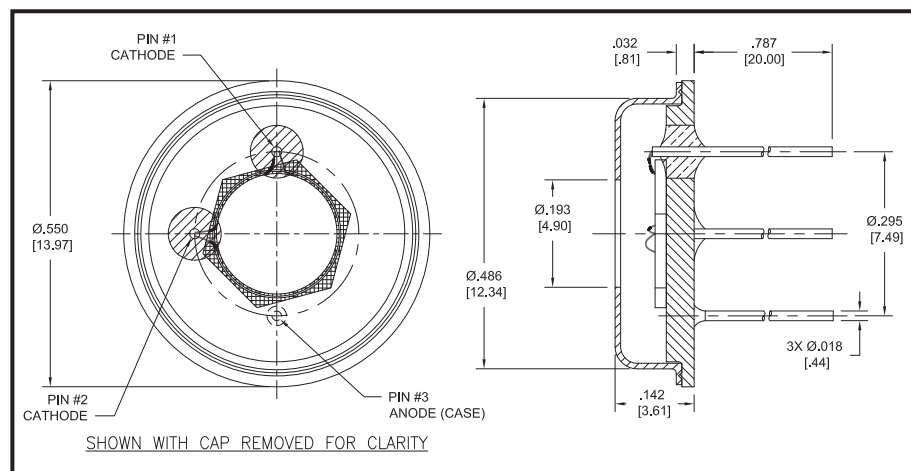


**FEATURES**

- Circular active area
- Ideal for electron detection
- 100% internal QE
- TO-8 package

Dimensions are in inch [metric] units.

**ELECTRO-OPTICAL CHARACTERISTICS AT 25°C**

| PARAMETERS                       | TEST CONDITIONS              | MIN | TYP | MAX | UNITS           |
|----------------------------------|------------------------------|-----|-----|-----|-----------------|
| Active Area <sup>1</sup>         | Ø 4.9 mm                     |     | 19  |     | mm <sup>2</sup> |
| Responsivity, $\mathcal{R}$      | (see graph on next page)     |     |     |     | A/W             |
| Reverse Breakdown Voltage, $V_R$ | $I_R = 1 \mu A$              |     | 9   |     | Volts           |
| Capacitance, C                   | $V_R = 0 V$                  |     | 4   | 10  | nF              |
| Rise Time                        | $R_L = 50 \Omega, V_R = 0 V$ | 0.8 | 1.7 | 3.3 | usec            |
| Shunt Resistance                 | $V_f = \pm 10 mV$            | 50  | 200 |     | MOhms           |

<sup>1</sup>Die active area = Ø 5.5 mm, aperture size = Ø 4.9 mm

**THERMAL PARAMETERS**

|                                         |               |
|-----------------------------------------|---------------|
| Storage Temperature Range               | -20° TO 100°C |
| Operating Temperature Range             | -20°C TO 80°C |
| Maximum Junction Temperature            | 100°C         |
| Lead Soldering Temperature <sup>2</sup> | 240°C         |

<sup>2</sup>1/16" from case for 10 seconds

