

# INTRODUCTION

## PACKAGE MECHANICAL SPECIFICATIONS AND PARAMETERS

### 1. Parameter Definitions:

**A** = Distance from top of chip to top of glass.

**a** = Photodiode Anode.

**B** = Distance from top of glass to bottom of case.

**c** = Photodiode Cathode (**Note: cathode is common to case in metal package products unless otherwise noted**).

**W** = Window Diameter.

**F.O.V.** = Field of View (see definition below).

2. Dimensions are in inches (1 inch = 25.4 mm).

3. Pin diameters are  $0.018 \pm 0.001$ " unless otherwise specified.

4. **Tolerances** (unless otherwise noted)

General:                     $0.XX \pm 0.01$ "  
                                   $0.XXX \pm 0.005$ "

Chip Centering:            $\pm 0.010$ "

Dimension 'A':             $\pm 0.015$ "

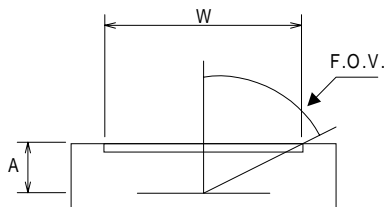
### 5. Windows

All 'UV' Enhanced products are provided with QUARTZ glass windows,  $0.027 \pm 0.002$ " thick.

All 'XUV' products are provided with removable windows.

All 'DLS' PSD products are provided with A/R coated glass windows.

All 'FIL' *photoconductive* and *photovoltaic* products are epoxy filled instead of glass windows.

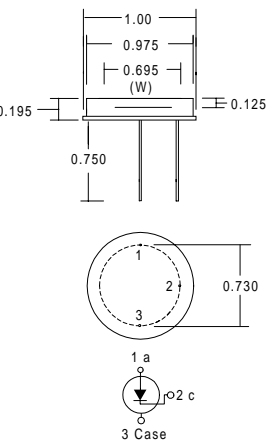
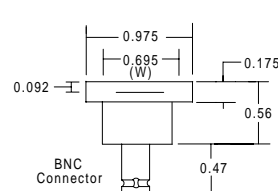
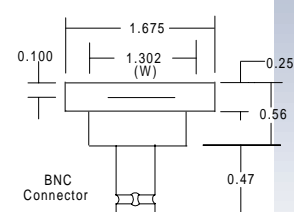
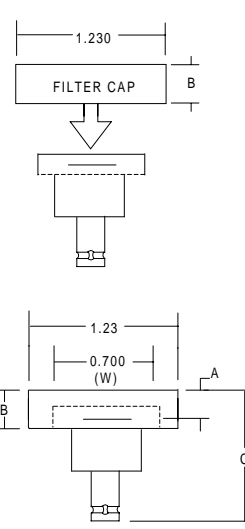
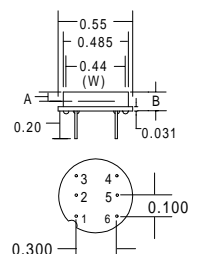
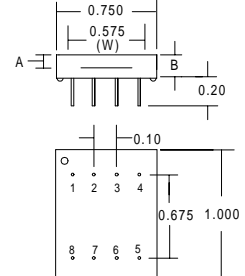


$$F.O.V. = \tan^{-1} [W/2A]$$

# MECHANICAL SPECIFICATIONS

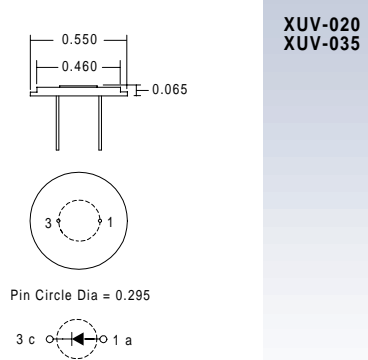
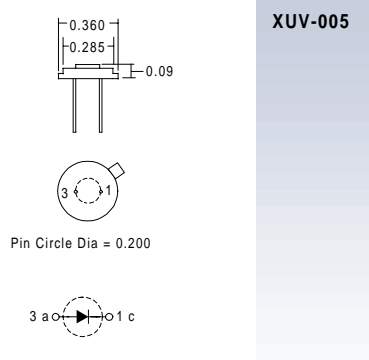
1 TO-18	Products	2 TO-5	Products	3 TO-8	Products																
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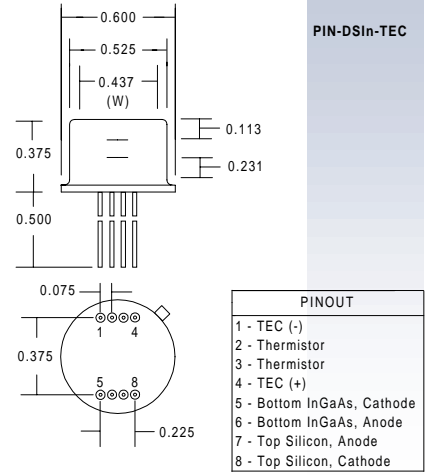
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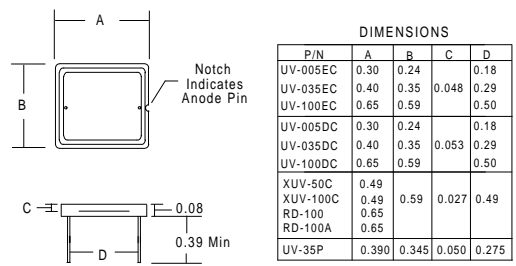
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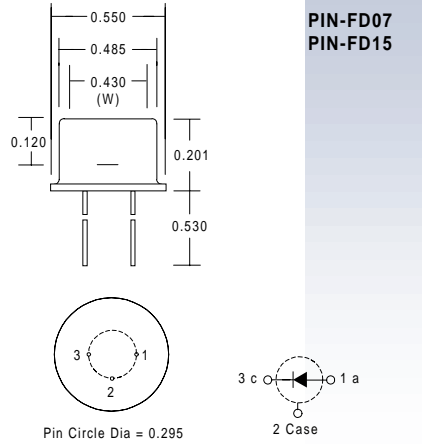
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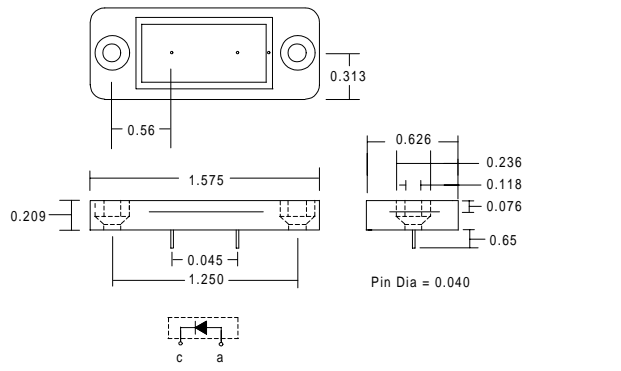
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<b>25 TO-8</b>	<b>Products</b>
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<b>26 SPECIAL PLASTIC</b>	<b>Products</b>
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<b>27 BNC</b>	<b>Products</b>
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