

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 ± 0.001 " unless otherwise specified.

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

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

Chip Centering: ± 0.010 "

Dimension 'A': ± 0.015 "

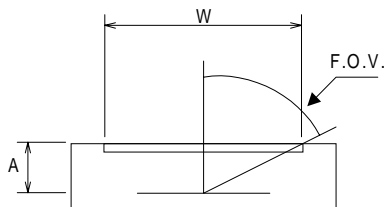
5. Windows

All 'UV' Enhanced products are provided with QUARTZ glass windows, 0.027 ± 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.

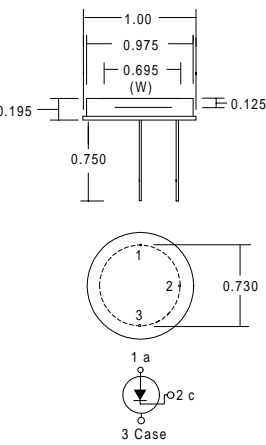
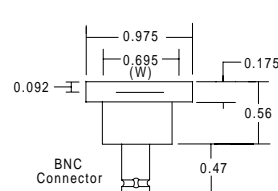
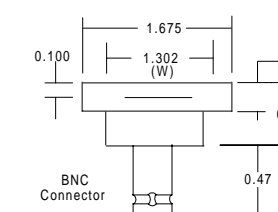
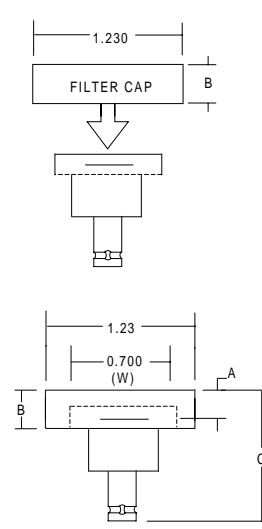
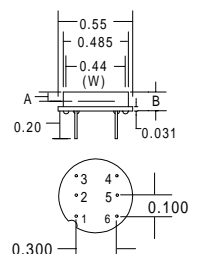
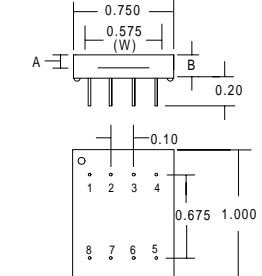


$$F.O.V. = \tan^{-1} [W/2A]$$

MECHANICAL SPECIFICATIONS

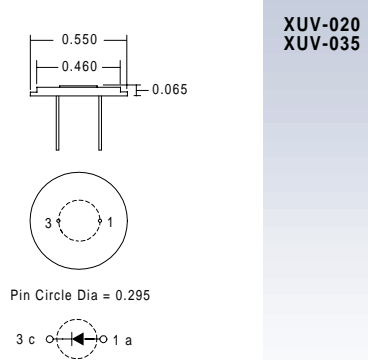
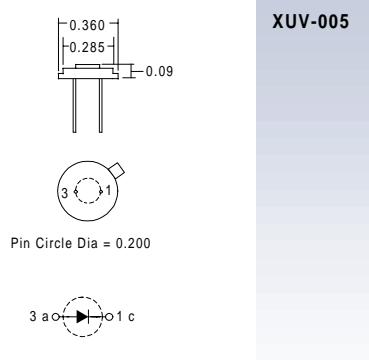
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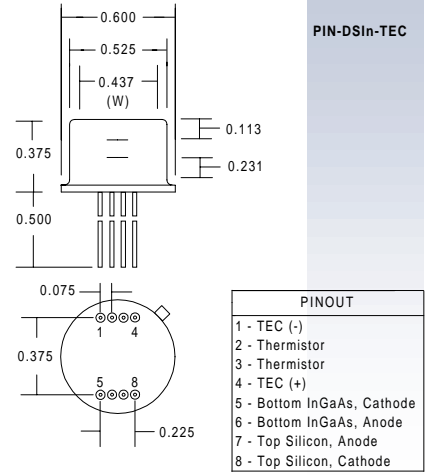
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MECHANICAL SPECIFICATIONS

21 TO-5	Products	22 TO-8	Products
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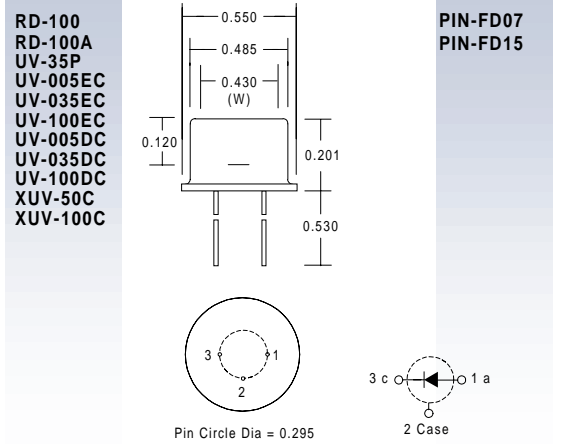


23 TO-8	Products
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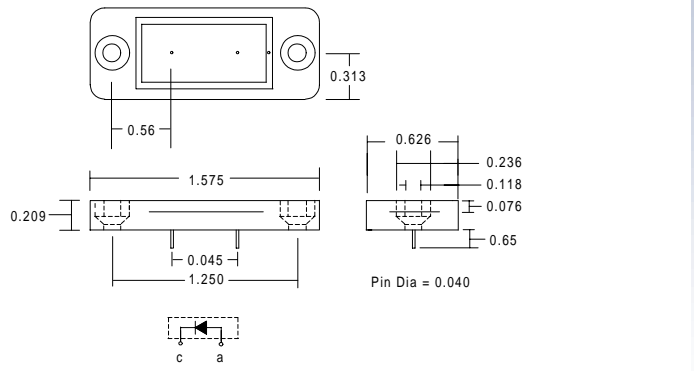


24 SPECIAL CERAMIC/PLASTIC	Products	25 TO-8	Products
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P/N	DIMENSIONS			
	A	B	C	D
UV-005EC	0.30	0.24	0.18	0.18
UV-035EC	0.40	0.35	0.048	0.29
UV-100EC	0.65	0.59		0.50
UV-005DC	0.30	0.24	0.18	0.18
UV-035DC	0.40	0.35	0.053	0.29
UV-100DC	0.65	0.59		0.50
XUV-50C	0.49		0.027	0.49
XUV-100C	0.49			
RD-100	0.65			
RD-100A	0.65			
UV-35P	0.390	0.345	0.050	0.275

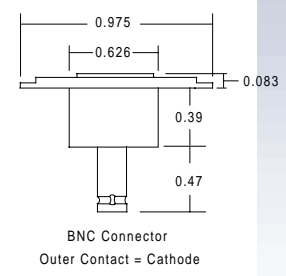


26 SPECIAL PLASTIC	Products	27 BNC	Products
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**PIN-220D
PIN-220DP
PIN-220DP/SB**

27 BNC	Products
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XUV-100