

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. = Filed 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 "

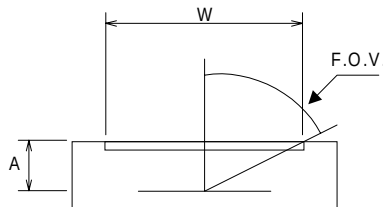
5. Windows

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

1 TO-18	Products PIN-020A PIN-040A	2 TO-5	Products PIN-APD032 PIN-5DI PIN-5DPI PIN-13DI PIN-13DPI	3 TO-8	Products PIN-6DI PIN-6DPI PIN-44DI PIN-44DPI																
Pin Circle Dia. = 0.100 4 Case 3 c 1 a		Pin Circle Dia. = 0.200 PIN-APD032 3 Case 1 a 2 c All Others 3 c 1 a 2 Case <table><tr><th>P/N</th><th>A</th><th>B</th><th>W</th></tr><tr><td>PIN-APD032</td><td>0.073</td><td>0.167</td><td>0.260</td></tr><tr><td>All Others</td><td>0.094</td><td>0.180</td><td>0.240</td></tr></table>	P/N	A	B	W	PIN-APD032	0.073	0.167	0.260	All Others	0.094	0.180	0.240	Pin Circle Dia. = 0.295 PIN-6DI/6DPI 3 a 1 c 2 Case PIN-44DI/44DPI 1 a 2 c 3 Case <table><tr><th>P/N</th><th>A</th></tr><tr><td>PIN-6DI PIN-6DPI</td><td>0.115</td></tr><tr><td>PIN-44DI PIN-44DPI</td><td>0.125</td></tr></table>	P/N	A	PIN-6DI PIN-6DPI	0.115	PIN-44DI PIN-44DPI	0.125
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7 TO-18	Products PIN-3CD PIN-3CDP BPX-65	8 TO-18	Products PIN-125DPL	9 TO-18	Products PIN-HR005 PIN-HR008 PIN-HR020 PIN-HR026 PIN-HR040 PIN-HS005 PIN-HS008 PIN-HS020 PIN-HS026 PIN-HS040 PIN-UHS016																
Pin Circle Dia. = 0.100 <table><tr><th>P/N</th><th>A</th><th>B</th></tr><tr><td>PIN-3CD/CDP</td><td>0.087</td><td>0.146</td></tr><tr><td>BPX-65</td><td>0.075</td><td>0.200</td></tr></table>	P/N	A	B	PIN-3CD/CDP	0.087	0.146	BPX-65	0.075	0.200		Pin Circle Dia. = 0.100 3 c 1 a	Pin Circle Dia. = 0.100 3 Case 2 c 1 a									
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10 LOW PROFILE	Products PIN-10DI PIN-10DPI PIN-10DPI/SB UV-50L UV-100L	11 BNC	Products PIN-10D PIN-10DP PIN-10DP/SB UV-50 UV-100	12 BNC	Products PIN-25D PIN-25DP																																																																																																																																																																																																																																																
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13 SPECIAL BNC	Products PIN-10AP PIN-10DF	14 SPECIAL PLASTIC	Products FIL-3C FIL-5C FIL-20C FIL-3V FIL-5V FIL-20V FIL-UV20 FIL-UV005 FIL-S2DG FIL-S4DG FIL-C4DG	15 SPECIAL PLASTIC	Products FIL-44C FIL-100C FIL-44V FIL-100V FIL-UV50 FIL-UV100 FIL-S9DG FIL-C10DG																																																																																																																																																																																																																																																
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MECHANICAL SPECIFICATIONS

21 TO-5	Products XUV-005	22 TO-8	Products XUV-020 XUV-035	23 TO-8	Products PIN-DSin-TEC																																																															
Pin Circle Dia = 0.200 3 a ○ → ○ 1 c		Pin Circle Dia = 0.295 3 c ○ → ○ 1 a		PINOUT <table><tr><td>1 - TEC (-)</td></tr><tr><td>2 - Thermistor</td></tr><tr><td>3 - Thermistor</td></tr><tr><td>4 - TEC (+)</td></tr><tr><td>5 - Bottom InGaAs, Cathode</td></tr><tr><td>6 - Bottom InGaAs, Anode</td></tr><tr><td>7 - Top Silicon, Anode</td></tr><tr><td>8 - Top Silicon, Cathode</td></tr></table>	1 - TEC (-)	2 - Thermistor	3 - Thermistor	4 - TEC (+)	5 - Bottom InGaAs, Cathode	6 - Bottom InGaAs, Anode	7 - Top Silicon, Anode	8 - Top Silicon, Cathode																																																								
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24 SPECIAL CERAMIC/PLASTIC	Products RD-100 RD-100A UV-35P UV-005EC UV-035EC UV-100EC UV-005DC UV-035DC UV-100DC XUV-50C XUV-100C	25 TO-8	Products PIN-FD07 PIN-FD15																																																																	
Notch Indicates Anode Pin 0.08 0.39 Min C → D <table><tr><th colspan="5">DIMENSIONS</th></tr><tr><th>P/N</th><th>A</th><th>B</th><th>C</th><th>D</th></tr><tr><td>UV-005EC</td><td>0.30</td><td>0.24</td><td>0.18</td><td></td></tr><tr><td>UV-035EC</td><td>0.40</td><td>0.35</td><td>0.048</td><td>0.29</td></tr><tr><td>UV-100EC</td><td>0.65</td><td>0.59</td><td></td><td>0.50</td></tr><tr><td>UV-005DC</td><td>0.30</td><td>0.24</td><td>0.18</td><td></td></tr><tr><td>UV-035DC</td><td>0.40</td><td>0.35</td><td>0.053</td><td>0.29</td></tr><tr><td>UV-100DC</td><td>0.65</td><td>0.59</td><td></td><td>0.50</td></tr><tr><td>XUV-50C</td><td>0.49</td><td>0.59</td><td>0.027</td><td>0.49</td></tr><tr><td>XUV-100C</td><td>0.49</td><td></td><td></td><td></td></tr><tr><td>RD-100</td><td>0.65</td><td></td><td></td><td></td></tr><tr><td>RD-100A</td><td>0.65</td><td></td><td></td><td></td></tr><tr><td>UV-35P</td><td>0.390</td><td>0.345</td><td>0.050</td><td>0.275</td></tr></table>	DIMENSIONS					P/N	A	B	C	D	UV-005EC	0.30	0.24	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		UV-035DC	0.40	0.35	0.053	0.29	UV-100DC	0.65	0.59		0.50	XUV-50C	0.49	0.59	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		Pin Circle Dia = 0.295 3 c ○ → ○ 1 a 2 Case	
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