



# Detector Selection Guide



SPECIFICATIONS	Damage Threshold [mW]	Spectral Range [nm]	Frequency Range [MHz]	3 dB Bandwidth [MHz]	Rise Time [ns]	Max. Gain *** [V <sub>Peak-Peak</sub> /W]	Dark State Noise Level [up to 5 MHz] [dBm/√Hz]	Dark State Noise Level [5 MHz- f <sub>-3dB</sub> ] [dBm/√Hz]	NEP [pW/√Hz] ***	Output Coupling	Output Signal
FS: free space, FC: fiber coupled											
<b>APD210</b>	10	400-1000	1-1600	5-1000	0.5	2.5 x 10 <sup>5</sup>	-	-80	0.24	AC/50 Ω	V <sub>pp</sub> ~1 V
<b>APD310</b>	10	950-1650	1-1800	5-1000	0.5	2.5 x 10 <sup>4</sup>	-	-80	13.3	AC/50 Ω	V <sub>pp</sub> ~1 V
<b>APD410</b>	10	200-1000	1-1600	5-900	0.5	4.5 x 10 <sup>4</sup>	-	-80	87,6	AC/50 Ω	V <sub>pp</sub> ~1 V

<b>FPD310-FC-VIS*</b>	2	400-1000	1-1500	5-1000	0.5	2 x 10 <sup>4</sup>	-100	-130	25.5	AC/50 Ω	V <sub>pp</sub> ~1 V
<b>FPD310-FS-VIS</b>	2	400-1000	1-1500	5-1000	0.5	2 x 10 <sup>4</sup>	-100	-130	24.0	AC/50 Ω	V <sub>pp</sub> ~1 V
<b>FPD310-FC-NIR**</b>	2	950-1650	1-1500	5-1000	0.5	2 x 10 <sup>4</sup>	-100	-130	12.0	AC/50 Ω	V <sub>pp</sub> ~1 V
<b>FPD310-FS-NIR</b>	2	950-1650	1-1500	5-1000	0.5	2 x 10 <sup>4</sup>	-100	-130	14.1	AC/50 Ω	V <sub>pp</sub> ~1 V

<b>FPD510-FC-VIS*</b>	3	400-1000	DC-250	DC-200	2	1.5 x 10 <sup>5</sup>	-110	-135	6.4	DC/50 Ω	0-1 V
<b>FPD510-FS-VIS</b>	3	400-1000	DC-250	DC-200	2	1.5 x 10 <sup>5</sup>	-110	-135	6.0	DC/50 Ω	0-1 V
<b>FPD510-FC-NIR**</b>	3	950-1650	DC-250	DC-200	2	1.5 x 10 <sup>5</sup>	-110	-135	3.0	DC/50 Ω	0-1 V
<b>FPD510-FS-NIR</b>	3	950-1650	DC-250	DC-200	2	1.5 x 10 <sup>5</sup>	-110	-135	3.2	DC/50 Ω	0-1 V

<b>FPD610-FC-VIS*</b>	3	400-1000	DC-600	DC-500	1	2 x 10 <sup>6</sup>	-80	-100	11.9	DC/50 Ω	0-1 V
<b>FPD610-FS-VIS</b>	3	400-1000	DC-600	DC-500	1	2 x 10 <sup>6</sup>	-80	-100	11.2	DC/50 Ω	0-1 V
<b>FPD610-FC-NIR**</b>	3	950-1650	DC-600	DC-500	1	2 x 10 <sup>6</sup>	-80	-100	5.6	DC/50 Ω	0-1 V
<b>FPD610-FS-NIR</b>	3	950-1650	DC-600	DC-500	1	2 x 10 <sup>6</sup>	-80	-100	6.6	DC/50 Ω	0-1 V

\*FC/PC connector \*\*SMF28 pigtail with FC/APC \*\*\* Calculated

For more detailed information and specifications, please refer to the respective product sheets available for download at our website.

## ORDERING INFORMATION

<b>Product Code</b>	APD210	APD310	APD410	
<b>Price</b>	1950 EUR	2150 EUR	1950 EUR	
<b>Product Code</b>	FPD310-FS-VIS	FPD310-FC-VIS	FPD310-FS-NIR	FPD310-FC-NIR
<b>Price for all models</b>	1650 EUR			
<b>Product Code</b>	FPD510-FS-VIS	FPD510-FC-VIS	FPD510-FS-NIR	FPD510-FC-NIR
<b>Price for all models</b>	1650 EUR			
<b>Product Code</b>	FPD610-FS-VIS	FPD610-FC-VIS	FPD610-FS-NIR	FPD610-FC-NIR
<b>Price for all models</b>	1650 EUR			

Prices and specifications are subject to change without notice. Custom modifications are available, please inquire.



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