

Detector Selection Guide



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

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

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

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

Product Code	APD210	APD310	APD410	
Price	2270 EUR	2760 EUR	2270 EUR	
Product Code	FPD310-FS-VIS	FPD310-FC-VIS	FPD310-FS-NIR	FPD310-FC-NIR
Price for all models	2050 EUR			
Product Code	FPD510-FS-VIS	FPD510-FC-VIS	FPD510-FS-NIR	FPD510-FC-NIR
Price for all models	2050 EUR			
Product Code	FPD610-FS-VIS	FPD610-FC-VIS	FPD610-FS-NIR	FPD610-FC-NIR
Price for all models	2050 EUR			

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



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