

Index	Model	Spectral Range (nm)	Optical Input	Type	Sensitive Area (mm)	Bandwidth ^a (Hz)	Rise Time ^a	TIA Gain ^b (V/A)	M Factor	Voltage Swing ^b (V)	NEP (pW/√ Hz)	Saturation Power ^c	RF Output	Power (VDC)
1	DET20A-20M	320-1100	Free Space	Biased	3.6x3.6	DC-20M	18ns	/	/	/	/	30mW	SMA	12
2	DET40A-100M	320-1060	Free Space	Biased	Φ1.2	DC-100M	3.5ns	/	/	/	/	15mW	SMA	12
3	DET40A-500M	320-1000	Free Space	Biased	Φ0.8	DC-500M	0.8ns	/	/	/	/	15mW	SMA	12
4	DET40A-1G	320-1000	Free Space	Biased	Φ0.4	DC-1G	0.35ns	/	/	/	/	15mW	SMA	12
5	PD610A-70k	320-1100	Free Space	Amplified	3.2x3.2	DC-70k	5us	1M	/	5	1.7	5.4uW	SMA	9-12
6	PD610A-500k	320-1100	Free Space	Amplified	3.2x3.2	DC-500k	0.7us	100k	/	5	3.5	52uW	SMA	9-12
7	PD610A-500M	400-1100	Free Space	Amplified	Φ0.2	DC-500M	0.8ns	1.2k	/	2.5	100.3	4.2mW	SMA	12
8	PD610A-1G	400-1100	Free Space	Amplified	Φ0.2	DC-1G	0.4ns	0.68k	/	1.7	156.6	5mW	SMA	12
9	APD430A-10M	400-1100	Free Space	Avalanche	Φ0.5	DC-10M	40ns	270k	100	3.2	0.11	0.23uW	SMA	9
10	APD430A-50M	400-1100	Free Space	Avalanche	Φ0.5	DC-50M	8ns	54k	100	3.2	0.23	1.3uW	SMA	9
11	APD430A-200M	400-1100	Free Space	Avalanche	Φ0.23	DC-200M	2ns	22.3k	100	3.2	0.28	2.5uW	SMA	9
12	APD430A-400M	400-1100	Free Space	Avalanche	Φ0.23	DC-400M	1ns	9.7k	100	3.2	0.64	5.8uW	SMA	9
13	APD210A-1G	400-1000	Free Space	Avalanche	Φ0.2	DC-1G	0.4ns	1k	100	2.5	1.3	50uW	SMA	9
14	APD210A-1.8G	400-1000	Free Space	Avalanche	Φ0.2	DC-1.8G	0.25ns	0.5k	100	2.5	2.4	100uW	SMA	9
15	APD12703A-50k	300-1000	Free Space	Avalanche	Φ3	DC-50k	7us	2M	16	5	0.5	310nW	SMA	9
16	APD1064A-10M	400-1100	Free Space	Avalanche	Φ0.8	DC-10M	40ns	270k	100	3.2	0.12	0.32uW ^d	SMA	9
17	APD1064A-50M	400-1100	Free Space	Avalanche	Φ0.8	DC-50M	8ns	54k	100	3.2	0.23	1.7uW ^d	SMA	9
18	APD1064A-200M	400-1100	Free Space	Avalanche	Φ0.8	DC-200M	2ns	22.3k	100	3.2	0.3	3.8uW ^d	SMA	9
19	QPD80A-50k	400-1100	Free Space	PSD	Φ7.8	DC-50k	8us	10k	/	5	/	780uW	M12	12
20	DET30A-1G	400-1100	FC receptacle	Biased	Φ0.2	DC-1G	350ps	/	/	/	/	5mW	SMA	12
21	DET30A-2G	400-1100	FC receptacle	Biased	Φ0.2	DC-2G	185ps	/	/	/	/	5mW	SMA	12
22	PD12A-50k	400-1100	FC receptacle	Amplified	Φ0.2	DC-50k	7us	1M	/	5	2.46	9.1uW	SMA	9-12
23	PD12A-300k	400-1100	FC receptacle	Amplified	Φ0.2	DC-300k	1us	200k	/	5	4.98	45.5uW	SMA	9-12
24	PD12A-700k	400-1100	FC receptacle	Amplified	Φ0.2	DC-700k	0.5us	51k	/	5	11.1	180uW	SMA	9-12
25	PD12A-10M	400-1100	FC receptacle	Amplified	Φ0.2	DC-10M	40ns	270k	/	3.2	5.2	23.7uW	SMA	9-12
26	PD12A-50M	400-1100	FC receptacle	Amplified	Φ0.2	DC-50M	8ns	54k	/	3.2	11.4	118uW	SMA	9-12
27	PD12A-200M	400-1100	FC receptacle	Amplified	Φ0.2	DC-200M	2ns	22.3k	/	3.2	28	268uW	SMA	9-12
28	PD12A-400M	400-1100	FC receptacle	Amplified	Φ0.2	DC-400M	1ns	9.7k	/	3.2	80	592uW	SMA	9-12
29	PD12A-500M	400-1100	FC receptacle	Amplified	Φ0.2	DC-500M	0.8ns	1.2k	/	2.5	100.3	4.1mW	SMA	9-12
30	PD12A-1G	400-1100	FC receptacle	Amplified	Φ0.2	DC-1G	0.4ns	0.68k	/	1.7	156.6	5mW	SMA	9-12
31	BPD465A-10M	400-1100	FC receptacle	Balanced	Φ0.2	DC-10M	36ns	1M	/	±2	4.7	8uW	SMA	±12
32	BPD465A-75M	400-1100	FC receptacle	Balanced	Φ0.2	DC-75M	4.5ns	165k	/	±2	20.5	48uW	SMA	±12
33	BPD465A-200M	400-1100	FC receptacle	Balanced	Φ0.2	DC-200M	1.8ns	30k	/	±2	56	267uW	SMA	±12
34	BPD465A-400M	400-1100	FC receptacle	Balanced	Φ0.2	DC-400M	1ns	10k	/	±2	84	800uW	SMA	±12
35	APD20A-10M	400-1100	FC/APC Fiber(MM)	Avalanche	Φ0.2	DC-10M	40ns	270k	100	3.2	0.11	0.23uW	SMA	9-12
36	APD20A-50M	400-1100	FC/APC Fiber(MM)	Avalanche	Φ0.2	DC-50M	8ns	54k	100	3.2	0.23	1.3uW	SMA	9-12
37	APD20A-200M	400-1100	FC/APC Fiber(MM)	Avalanche	Φ0.2	DC-200M	2ns	22.3k	100	3.2	0.28	2.5uW	SMA	9-12
38	APD20A-400M	400-1100	FC/APC Fiber(MM)	Avalanche	Φ0.2	DC-400M	1ns	9.7k	100	3.2	0.64	5.8uW	SMA	9-12

NOTE:

a: for 50Ω load

b: for Hi-Z load

c: at the peak responsivity wavelength

d: at 1064nm

Index	Model	Spectral Range (nm)	Optical Input	Type	Sensitive Area (mm)	Bandwidth ^a (Hz)	Rise Time ^a	TIA Gain ^b (V/A)	M Factor	Voltage Swing ^b (V)	NEP (pW/√ Hz)	Saturation Power ^c	RF Output	Power (VDC)
39	DET40C-2G	1000-1700	Free Space	Biased	Φ0.07	DC-2G	180ps	/	/	/	/	5mW	SMA	12
40	DET40C-5G	1000-1700	Free Space	Biased	Φ0.04	DC-5G	80ps	/	/	/	/	4mW	SMA	12
41	PDLX03D2-200M	900-2600	Free Space	Biased	Φ0.3	DC-200M	1.8ns	/	/	/	/	5mW	SMA	9-12
42	PD610C-50k	1000-1700	Free Space	Amplified	2x2	DC-50k	7us	1M	/	5	0.9	5uW	SMA	9-12
43	PD610C-200k	1000-1700	Free Space	Amplified	2x2	DC-200k	1.8uw	100k	/	5	2.4	50uW	SMA	9-12
44	PD610C-500M	1000-1700	Free Space	Amplified	Φ0.07	DC-500M	0.8ns	1.2k	/	2.5	41.7	2.3mW	SMA	12
45	PD610C-1G	1000-1700	Free Space	Amplified	Φ0.07	DC-1G	0.4ns	0.68k	/	2.5	85.6	4mW	SMA	12
46	APD430C-10M	1000-1700	Free Space	Avalanche	Φ0.5	DC-10M	40ns	270k	20	3.2	0.42	0.98uW	SMA	9
47	APD430C-50M	1000-1700	Free Space	Avalanche	Φ0.5	DC-50M	8ns	54k	20	3.2	0.71	4.8uW	SMA	9
48	APD430C-200M	1000-1700	Free Space	Avalanche	Φ0.2	DC-200M	2ns	22.3k	20	3.2	0.84	8uW	SMA	9
49	APD430C-400M	1000-1700	Free Space	Avalanche	Φ0.2	DC-400M	1ns	9.7k	20	3.2	1.8	16.7uW	SMA	9
50	APD210C-1G	1000-1700	Free Space	Avalanche	Φ0.2	DC-1G	0.4ns	0.68k	20	2.5	-	210uW	SMA	9
51	DET30C-2G	1000-1700	FC receptacle	Biased	Φ0.07	DC-2G	180ps	/	/	/	/	5mW	SMA	9-12
52	DET30C-5G	1000-1700	FC receptacle	Biased	Φ0.04	DC-5G	80ps	/	/	/	/	4mW	SMA	9-12
53	DMX60C-6G	1000-1650	FC receptacle	Ultrafast	/	0.01-6G	60ps	/	/	/	/	10mW	SMA	9-12
54	DMX60C-12G	1000-1650	FC receptacle	Ultrafast	/	0.01-12G	30ps	/	/	/	/	10mW	SMA	9-12
55	DMX60C-18G	1000-1650	FC receptacle	Ultrafast	/	0.01-18G	20ps	/	/	/	/	10mW	SMA	9-12
56	DMX60C-24G	1000-1650	FC receptacle	Ultrafast	/	0.01-24G	15ps	/	/	/	/	10mW	SMA	9-12
57	DMX60C-40G	1100-1620	FC receptacle	Ultrafast	/	DC-40G	9ps	/	/	/	/	10mW	2.92mm	9-12
58	PD12C-50k	1000-1700	FC receptacle	Amplified	Φ0.07	DC-50k	7us	1M	/	5	1.25	4.2uW	SMA	9-12
59	PD12C-300k	1000-1700	FC receptacle	Amplified	Φ0.07	DC-300k	1us	200k	/	5	2.46	27.8uW	SMA	9-12
60	PD12C-700k	1000-1700	FC receptacle	Amplified	Φ0.07	DC-700k	0.5us	51k	/	5	6.24	250uW	SMA	9-12
61	PD12C-10M	1000-1700	FC receptacle	Amplified	Φ0.07	DC-10M	40ns	270k	/	3.2	2.2	12.8uW	SMA	9-12
62	PD12C-50M	1000-1700	FC receptacle	Amplified	Φ0.07	DC-50M	8ns	54k	/	3.2	5.6	65uW	SMA	9-12
63	PD12C-200M	1000-1700	FC receptacle	Amplified	Φ0.07	DC-200M	2ns	22.3k	/	3.2	18.4	160uW	SMA	9-12
64	PD12C-400M	1000-1700	FC receptacle	Amplified	Φ0.07	DC-400M	1ns	9.7k	/	3.2	39.9	368uW	SMA	9-12
65	PD12C-500M	1000-1700	FC receptacle	Amplified	Φ0.07	DC-500M	0.8ns	1.2k	/	2.5	41.7	2.3mW	SMA	9-12
66	PD12C-1G	1000-1700	FC receptacle	Amplified	Φ0.07	DC-1G	0.4ns	0.68k	/	2.5	85.6	4.1mW	SMA	9-12
67	BPD465C-10M	1000-1700	FC receptacle	Balanced	Φ0.07	DC-10M	36ns	1M	/	±4	2.6	4.4uW	SMA	±12
68	BPD465C-75M	1000-1700	FC receptacle	Balanced	Φ0.07	DC-75M	4.5ns	165k	/	±4	11.4	27uW	SMA	±12
69	BPD465C-200M	1000-1700	FC receptacle	Balanced	Φ0.07	DC-200M	1.8ns	30k	/	±4	32	148uW	SMA	±12
70	BPD465C-400M	1000-1700	FC receptacle	Balanced	Φ0.07	DC-400M	1ns	10k	/	±4	48	445uW	SMA	±12
71	DAS-BPD-200M	1000-1700	FC receptacle	Balanced	Φ0.07	DC-200M	2ns	80k	/	±2	2.6 ^e	25uW	SMA	±12
72	APD20C-10M	1100-1650	FC/APC Fiber(SM)	Avalanche	Φ0.05	DC-10M	40ns	270k	20	3.2	0.42	0.98uW	SMA	9-12
73	APD20C-50M	1100-1650	FC/APC Fiber(SM)	Avalanche	Φ0.05	DC-50M	8ns	54k	20	3.2	0.71	4.8uW	SMA	9-12
74	APD20C-200M	1100-1650	FC/APC Fiber(SM)	Avalanche	Φ0.05	DC-200M	2ns	22.3k	20	3.2	0.84	8uW	SMA	9-12
75	APD20C-400M	1100-1650	FC/APC Fiber(SM)	Avalanche	Φ0.05	DC-400M	1ns	9.7k	20	3.2	1.8	16.7uW	SMA	9-12
76	DTS-APD-50M	1100-1650	FC/APC Fiber(MM)	Avalanche	Φ0.2	DC-50M	9ns	1.9M	20	3.2	0.26	94nW	SMA	9-12

NOTE:

a: for 50Ω load

b: for Hi-Z load

c: at the peak responsivity wavelength

d: at 1064nm

e: at 80MHz