

# 1201 Photodiode

PD2001

## 400 nm to 1100 nm Si PIN Photodiode

Picture	Part No.	Photosurface (mm)	Response Wavelength (nm)	Responsivity (mA/mW@nm)	Dark Current (pA@V)	Capacitance (pF@V)	Rise Time (ns@V)
	PD2001-1	Φ0.2	400 to 1100	0.20@405 0.35@650 0.55@850 0.10@1064	0.1@0 100.0@-10	20@0 1.0@-10	150 ps (2.5 GHz) @-10 V
	PD2001-2	0.5x0.5	400 to 1100	0.10@405 0.35@650 0.45@850 0.20@1064	0.1@0 50@-5	15@0 1.5@-5	250 ps @-5 V
	PD2001-3	1.2x1.2	400 to 1100	0.15@405 0.30@650 0.55@850 0.27@1064	0.2@0 60@-5	50@0 6@-5	1.4 ns @-5 V
	PD2001-4	2.5x2.5	400 to 1100	0.07@405 0.44@650 0.59@850 0.25@1064	0.5@0 200@-5	90@0 20@-5	5 ns @-5 V
	PD2001-5	3.2x3.2	400 to 1100	0.03@405 0.35@650 0.55@850 0.32@1064	5@0 400@-5	110@0 25@-5	6 ns @-5 V
	PD2001-6	4.2x4.2	400 to 1100	0.10@405 0.40@650 0.55@850 0.67@980 0.29@1064	200@0 1000@-5	200@0 40@-5	100 ns @-5 V
	PD2001-7	5.9x5.9	400 to 1100	0.23@405 0.42@650 0.50@850 0.05@1064	50@0	3000@0 600@-5	/
	PD2001-8	6x6	400 to 1100	0.10@405 0.38@650 0.55@850 0.20@1064	120@0 1500@-5	500@0 80@-5	/
	PD2001-9	10x10	400 to 1100	0.10@405 0.38@650 0.55@850 0.20@1064	150@0 2000@-5	1000@0 200@-5	/

**Order notes to our customers:** The default parameters are as follows. For special needs, please contact sales.

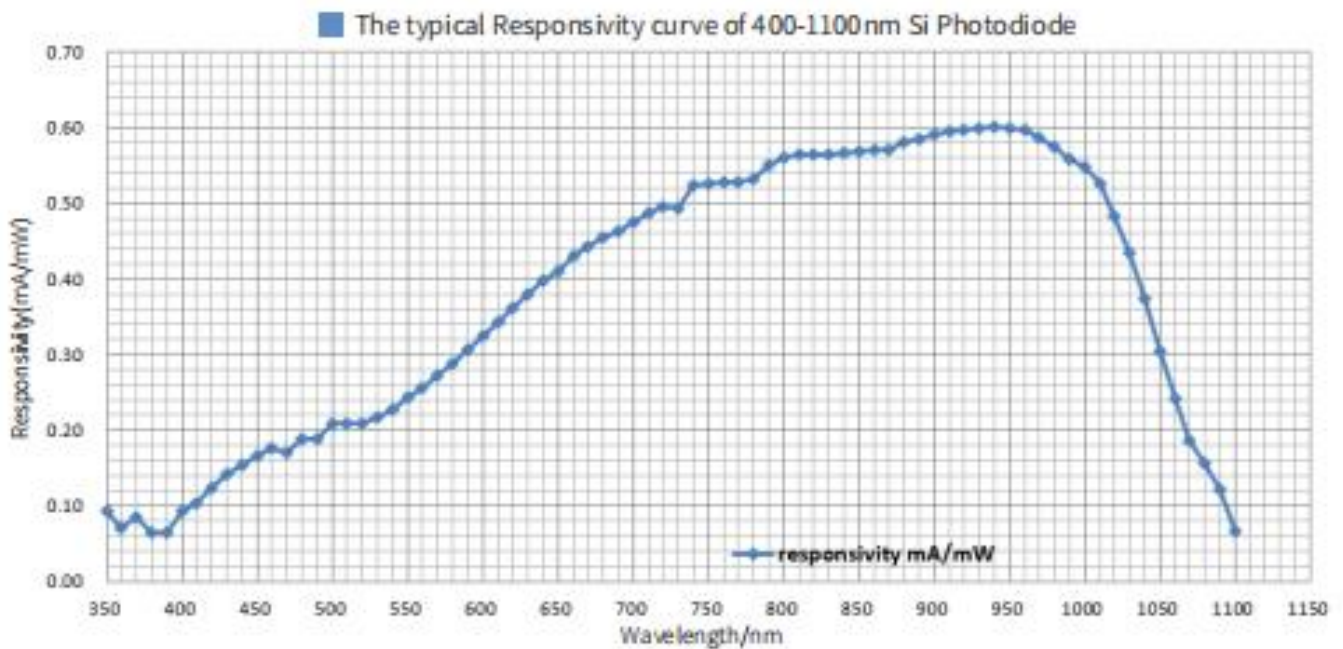
1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.

2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.

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## CURVE DIAGRAM



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