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Si photodiode arrays

Si photodiode array is a sensor with multiple Si photodiodes arranged in a single package. An image sensor can be configured by arranging multiple photodiodes. It can be used in a wide range of applications such as light position detection, imaging, and spectrophotometry.

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tillator /pe	Package	Package category	Cooling	Reverse voltage (max.)	Spectral response range	Peak sensitivity wavelength (typ.)	Photosensitivity (typ.)	Dark current (max.)	Rise time (typ.)
Filter	Sort	Filter	Sort	Filter	Sort	Filter	Sort	Filter	Sort	Filter	Sort	Filter	Sort	Filter	Sort	Filter	Sort	Fi
	Ceramic	18pin-DIP	Non-cooled	15 V	190 to 1100 nm	960 nm	0.58 A/W	5 pA	0.5 µs
	Ceramic	18pin-DIP	Non-cooled	15 V	340 to 1100 nm	960 nm	0.58 A/W	5 pA	0.5 µs
	Ceramic	40pin-DIP	Non-cooled	15 V	190 to 1100 nm	960 nm	0.58 A/W	10 pA	1.2 µs
	Ceramic	48pin-DIP	Non-cooled	15 V	190 to 1100 nm	960 nm	0.58 A/W	10 pA	1.2 µs
	Ceramic	40-pin DIP	Non-cooled	15 V	190 to 1000 nm	800 nm	0.5 A/W	60 pA	0.1 µs

tillator ype	Package	Package category	Cooling	Reverse voltage (max.)	Spectral response range	Peak sensitivity wavelength (typ.)	Photosensitivity (typ.)	Dark current (max.)	Rise time (typ.)
	Ceramic	48-pin DIP	Non-cooled	15 V	190 to 1000 nm	800 nm	0.5 A/W	60 pA	0.1 µs
	Ceramic	Surface mount	Non-cooled	30 V	320 to 1100 nm	960 nm	0.72 A/W	1000 pA	--
	Glass epoxy	Unsealed	Non-cooled	10 V	340 to 1100 nm	920 nm	0.61 A/W	30 pA	6.5 µs
	Glass epoxy	With scintillator	Non-cooled	10 V	--	--	--	30 pA	6.5 µs
eramic	Glass epoxy	With scintillator	Non-cooled	10 V	--	--	--	30 pA	6.5 µs

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