

Hamamatsu Photonics Unveils New Si APD S17353 Series Sensors for Enhanced Low Light Measurement.

News provided by:

Hamamatsu Photonics Europe

April 17, 2025

[Contact us](#)

Share this article:



Hamamatsu Photonics is pleased to announce the launch of its latest Si APD S17353 Series sensors, designed for high sensitivity and low noise performance in applications spanning a wide wavelength range from short wavelengths to 800 nm. These advanced sensors are ideal for low-light measurement and analysis instruments, making them a crucial addition to industry's analytical tools.



S17353 Si APD series sensors

The new S17353 Series features six distinct models, all engineered to offer improved signal-to-noise ratios and exceptional sensitivity and are suited to spectroscopy, analytical chemistry and industrial applications.

Key Features:

- High sensitivity and low noise performance from short wavelengths to 800 nm

- Enhanced gain and photosensitivity, with typical photosensitivity of 0.44 A/W

- A versatile selection of six products, each offering different photosensitive area sizes, packages and dark current types.

Product Specifications:

The S17353 Series includes the following models:

Type No.	Package	Photosensitive area size (mm)	Spectral response range Typ. (nm)	Photosensitivity Typ. (A/W)	Dark current Typ. (nA)
S17353-02K	TO-5	Φ 0.2 mm	320 to 1000 nm	0.44	1
S17353-05K	TO-5	Φ 0.5	320 to 1000	0.44	1.5
S17353-10K	TO-5	Φ 1.0	320 to 1000	0.44	2
S17353-20K	TO-5	Φ 2.0	320 to 1000	0.44	5
S17353-30K	TO-8	Φ 3.0	320 to 1000	0.44	10

S17353-50K	TO-8	Φ 5.0	320 to 1000	0.44	25
-------------------	------	-------	-------------	------	----

Hamamatsu Photonics envisages these APDs to be particularly interesting to R&D professionals and engineers in analytical and industrial domains where low-light measurements or analysis are required.

For more information about the S17353 Series and other innovative solutions from Hamamatsu Photonics, please view the dedicated [S17353 product page](#).