

## Product Overview

### KAF-6303: Full Frame CCD Image Sensor, 6.3 MP

For complete documentation, see the data sheet.

The KAF-6303 Image Sensor is a high performance CCD (charge-coupled device) with 3072H x 2048V photo active pixels designed for a wide range of image sensing applications.

The sensor incorporates true two-phase CCD technology, simplifying the support circuits required to drive the sensor as well as reducing dark current without compromising charge capacity. The sensor also utilizes a Transparent Gate Electrode to improve sensitivity compared to the use of a standard front side illuminated polysilicon electrode.

### Features

- True Two Phase Full Frame Architecture
- Transparent Gate Electrode for high sensitivity
- 100% Fill Factor
- Low Dark Current

### Applications

- Medical
- Scientific

Part Electrical Specifications											
Product	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Package Type
KAF-6303-AAA-CD-AE	Pb-free Halide free	Active	Full Frame CCD	6.3	0.6	APS-H	-	9.0 x 9.0	Analog	Mono	CDIP-26
KAF-6303-AAA-CD-B2	Pb-free Halide free	Active	Full Frame CCD	6.3	0.6	APS-H	-	9.0 x 9.0	Analog	Mono	CDIP-26
KAF-6303-AAA-CP-AE	Pb-free Halide free	Active	Full Frame CCD	6.3	0.6	APS-H	-	9.0 x 9.0	Analog	Mono	CDIP-26
KAF-6303-AAA-CP-B2	Pb-free Halide free	Active	Full Frame CCD	6.3	0.6	APS-H	-	9.0 x 9.0	Analog	Mono	CDIP-26

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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