



## Product Overview

### KAF-0402: Full Frame CCD, Image Sensor, WVGA

For complete documentation, see the data sheet

#### Product Description

The KAF-0402 Image Sensor is a high performance area CCD (charge-coupled device) image sensor with 768H x 512V photoactive 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 the TRUESENSE Transparent Gate Electrode to improve sensitivity compared to the use of a standard front side illuminated polysilicon electrode.

Optional microlenses focus the majority of the light through the transparent gate, increasing the optical response further.

#### Applications

- Scientific
- Digitization
- Medical

#### Part Electrical Specifications

Product	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (μm)	Color	Package Type
KAF-0402-AAA-CB-AE	Pb-free Halide free	Active	Full Frame CCD	WVGA	20	1/2 inch		9.0 x 9.0	Mono	CDIP-24
KAF-0402-AAA-CB-B1	Pb-free Halide free	Active	Full Frame CCD	WVGA	20	1/2 inch		9.0 x 9.0	Mono	CDIP-24
KAF-0402-AAA-CP-AE	Pb-free Halide free	Active	Full Frame CCD	WVGA	20	1/2 inch		9.0 x 9.0	Mono	CDIP-24
KAF-0402-AAA-CP-B1	Pb-free Halide free	Active	Full Frame CCD	WVGA	20	1/2 inch		9.0 x 9.0	Mono	CDIP-24
KAF-0402-AAA-CP-B2	Pb-free Halide free	Active	Full Frame CCD	WVGA	20	1/2 inch		9.0 x 9.0	Mono	CDIP-24
KAF-0402-ABA-CD-AE	Pb-free Halide free	Active	Full Frame CCD	WVGA	20	1/2 inch		9.0 x 9.0	Mono	CDIP-24
KAF-0402-ABA-CD-B1	Pb-free Halide free	Active	Full Frame CCD	WVGA	20	1/2 inch		9.0 x 9.0	Mono	CDIP-24
KAF-0402-ABA-CD-B2	Pb-free Halide free	Active	Full Frame CCD	WVGA	20	1/2 inch		9.0 x 9.0	Mono	CDIP-24
KAF-0402-ABA-CP-AE	Pb-free Halide free	Active	Full Frame CCD	WVGA	20	1/2 inch		9.0 x 9.0	Mono	CDIP-24
KAF-0402-ABA-CP-B1	Pb-free Halide free	Active	Full Frame CCD	WVGA	20	1/2 inch		9.0 x 9.0	Mono	CDIP-24
KAF-0402-ABA-CP-B2	Pb-free Halide free	Active	Full Frame CCD	WVGA	20	1/2 inch		9.0 x 9.0	Mono	CDIP-24

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

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