



Product Overview

KAF-16801: Full Frame CCD, Image Sensor, 16.8 MP

For complete documentation, see the data sheet

Product Description

The KAF-16801 is a high performance area CCD (charge-coupled device) image sensor with 4096H x 4096V 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 the TRUESENSE 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
- TRUESENSE Transparent Gate Electrode for high sensitivity
- 70% Fill Factor with anti-blooming drain
- Low Dark Current
- High Output Sensitivity

Applications

- Medical
- Scientific

Part Electrical Specifications

Product	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (μm)	Color	Package Type
KAF-16801-AAA-DP-AE	Pb-free Halide free	Active	Full Frame CCD	1.6	0.4	645 1.3x		9.0 x 9.0	Mono	CDIP-34
KAF-16801-AAA-DP-B1	Pb-free Halide free	Active	Full Frame CCD	16.8	0.4	645 1.3x		9.0 x 9.0	Mono	CDIP-34
KAF-16801-AAA-DP-B2	Pb-free Halide free	Active	Full Frame CCD	16.8	0.4	645 1.3x		9.0 x 9.0	Mono	CDIP-34

For more information please contact your local sales support at www.onsemi.com

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