

Product Overview

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

For complete documentation, see the data sheet.

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 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
- 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)	Output Interface	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	Analog	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	Analog	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	Analog	Mono	CDIP-34

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

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