



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Product Overview

### MT9P006: CMOS Image Sensor, 5 MP, 1/2.5"

For complete documentation, see the data sheet.

ON Semiconductor's focus on pixel performance excellence provides the foundation for this sensor's exceptional image quality with superior color accuracy, low-light sensitivity, and low noise level. This cost-effective CMOS imaging solution enables high speed image capture capabilities, and includes variable functions, including gain, frame rate, and exposure while maintaining low power consumption.

### Applications

- Security

### Part Electrical Specifications

| Product            | Compliance  | Status | Type | Megapixels | Frame Rate (fps) | Optical Format | Shutter Type       | Pixel Size (µm) | Output Interface | Color       | Package Type |
|--------------------|-------------|--------|------|------------|------------------|----------------|--------------------|-----------------|------------------|-------------|--------------|
| MT9P006I12STCU-DP  | Pb-free     | Active | CMOS | 5          | 15               | 1/2.5 inch     | Electronic Rolling | 2.2 x 2.2       | Parallel         | Bayer Color | ILCC-48      |
|                    | Halide free |        |      |            |                  |                |                    |                 |                  |             |              |
| MT9P006I12STCU-DP1 | Pb-free     | Active | CMOS | 5          | 15               | 1/2.5 inch     | Electronic Rolling | 2.2 x 2.2       | Parallel         | Bayer Color | ILCC-48      |
|                    | Halide free |        |      |            |                  |                |                    |                 |                  |             |              |
| MT9P006I12STCU-DR  | Pb-free     | Active | CMOS | 5          | 15               | 1/2.5 inch     | Electronic Rolling | 2.2 x 2.2       | Parallel         | Bayer Color | ILCC-48      |
|                    | Halide free |        |      |            |                  |                |                    |                 |                  |             |              |
| MT9P006I12STCU-DR1 | Pb-free     | Active | CMOS | 5          | 15               | 1/2.5 inch     | Electronic Rolling | 2.2 x 2.2       | Parallel         | Bayer Color | ILCC-48      |
|                    | Halide free |        |      |            |                  |                |                    |                 |                  |             |              |

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