

Product Overview

MT9V034: VGA 1/3" GS CMOS Image Sensor

For complete documentation, see the data sheet

Product Description

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.

Part Electrical Specifications

| Product | Compliance | Status | Type | Megapixels | Frame Rate (fps) | Optical Format | Shutter Type | Pixel Size (µm) | Output Interface | Color | Package Type |
|-------------------|------------------------|--------|------|------------|------------------|----------------|----------------|-----------------|------------------|-------|--------------|
| MT9V034C12STC-DP | Pb-free Halide free | Active | CMOS | WVGA | 60 | 1/3 inch | Global Shutter | 6.0 x 6.0 | Parallel LVDS | RGB | CLCC-48 |
| MT9V034C12STC-DP1 | Pb-free Halide free | Active | CMOS | WVGA | 60 | 1/3 inch | Global Shutter | 6.0 x 6.0 | LVDS Parallel | RGB | CLCC-48 |
| MT9V034C12STC-DR | Pb-free Halide free | Active | CMOS | WVGA | 60 | 1/3 inch | Global Shutter | 6.0 x 6.0 | LVDS Parallel | RGB | CLCC-48 |
| MT9V034C12STM-DP | Pb-free Halide free | Active | CMOS | WVGA | 60 | 1/3 inch | Global Shutter | 6.0 x 6.0 | LVDS Parallel | Mono | CLCC-48 |
| MT9V034C12STM-DP1 | Pb-free Halide free | Active | CMOS | WVGA | 60 | 1/3 inch | Global Shutter | 6.0 x 6.0 | Parallel LVDS | Mono | CLCC-48 |
| MT9V034C12STM-DR | Pb-free Halide free | Active | CMOS | WVGA | 60 | 1/3 inch | Global Shutter | 6.0 x 6.0 | LVDS Parallel | Mono | CLCC-48 |
| MT9V034C12STM-DR1 | Pb-free Halide free | Active | CMOS | WVGA | 60 | 1/3 inch | Global Shutter | 6.0 x 6.0 | Parallel LVDS | Mono | CLCC-48 |
| MT9V034C12STM-TP | Pb-free Halide free | Active | CMOS | WVGA | 60 | 1/3 inch | Global Shutter | 6.0 x 6.0 | LVDS Parallel | Mono | CLCC-48 |
| MT9V034C12STM-TR | Pb-free Halide free | Active | CMOS | WVGA | 60 | 1/3 inch | Global Shutter | 6.0 x 6.0 | Parallel LVDS | Mono | CLCC-48 |

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

Created on: 8/5/2016