



**THE DATASHEET OF
MT9V022IA7ATM-DR**





Product Overview

MT9V022: VGA 1/3" GS CMOS Image Sensor

For complete documentation, see the [data sheet](#)

Product Description

The MT9V022 6µm global shutter HDR pixel technology uniquely allows automotive cameras to “freeze” fast moving objects, and capture all scene detail under extreme lighting conditions. The MT9V022 enhanced NIR pixel process provides excellent image quality in very low-light night conditions.

Features

- High Dynamic Range

Part Electrical Specifications

| Product | Compliance | Status | Type | Megapixels | Frame Rate (fps) | Optical Format | Shutter Type | Pixel Size (µm) | Color | Package Type |
|-------------------|---|--------|------|------------|------------------|----------------|----------------|-----------------|--------------|--------------|
| MT9V022IA7ATC-DP | AEC Qualified PPAP Capable Pb-free Halide free | Active | CMOS | WVGA | 60 | 1/3 inch | Global Shutter | 6.0 x 6.0 | RGB | IBGA-52 |
| MT9V022IA7ATC-DR | AEC Qualified PPAP Capable Pb-free Halide free | Active | CMOS | WVGA | 60 | 1/3 inch | Global Shutter | 6.0 x 6.0 | RGB | IBGA-52 |
| MT9V022IA7ATC-DR1 | AEC Qualified PPAP Capable Pb-free Halide free | Active | CMOS | WVGA | 60 | 1/3 inch | Global Shutter | 6.0 x 6.0 | RGB and Mono | IBGA-52 |
| MT9V022IA7ATM-DP | AEC Qualified PPAP Capable Pb-free Halide free | Active | CMOS | WVGA | 60 | 1/3 inch | Global Shutter | 6.0 x 6.0 | Mono | IBGA-52 |
| MT9V022IA7ATM-DR | AEC Qualified PPAP Capable Pb-free Halide free | Active | CMOS | WVGA | 60 | 1/3 inch | Global Shutter | 6.0 x 6.0 | Mono | IBGA-52 |
| MT9V022IA7ATM-DR1 | AEC Qualified PPAP Capable Pb-free Halide free | Active | CMOS | WVGA | 60 | 1/3 inch | Global Shutter | 6.0 x 6.0 | RGB and Mono | IBGA-52 |
| MT9V022IA7ATM-TP | AEC Qualified PPAP Capable Pb-free Halide free | Active | CMOS | WVGA | 60 | 1/3 inch | Global Shutter | 6.0 x 6.0 | Mono | IBGA-52 |
| MT9V022IA7ATM-TR | AEC Qualified PPAP Capable Pb-free Halide free | Active | CMOS | WVGA | 60 | 1/3 inch | Global Shutter | 6.0 x 6.0 | Mono | IBGA-52 |

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

Created on: 9/2/2015

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- ⊖ [View MT9V022IA7ATM-DR on WIN SOURCE](#)
- ⊖ [ON Semiconductor](#) Information

Optimize Your Supply Chain with WIN SOURCE Solutions

- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management