



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

### MT9V125: CMOS Image Sensor System-on-Chip, VGA, 1/4"

For complete documentation, see the data sheet.

ON Semiconductor's focus on pixel performance excellence enables the built-in advantages of having a high quality image sensor at the core of this SOC (System-on-Chip). ON Semiconductor's SOC's provide a variety of camera functions including auto focus, auto white balance, and auto exposure. SOC is a cost-effective, compact, one-chip solution providing exceptional image quality and ease of integration which can lower overall system costs and speed time to market.

### Applications

- Automotive

### Part Electrical Specifications

| Product           | Compliance    | Status | Type | Megapixels | Frame Rate (fps) | Optical Format | Shutter Type       | Pixel Size (µm) | Output Interface | Color | Package Type |
|-------------------|---------------|--------|------|------------|------------------|----------------|--------------------|-----------------|------------------|-------|--------------|
| MT9V125IA7XTC-DP  | AEC Qualified | Active | CMOS | VGA        | 30               | 1/4 inch       | Electronic Rolling | 5.6 x 5.6       | -                | RGB   | IBGA-52      |
|                   | PPAP Capable  |        |      |            |                  |                |                    |                 |                  |       |              |
|                   | Pb-free       |        |      |            |                  |                |                    |                 |                  |       |              |
|                   | Halide free   |        |      |            |                  |                |                    |                 |                  |       |              |
| MT9V125IA7XTC-DR  | AEC Qualified | Active | CMOS | VGA        | 30               | 1/4 inch       | Electronic Rolling | 5.6 x 5.6       | -                | RGB   | IBGA-52      |
|                   | PPAP Capable  |        |      |            |                  |                |                    |                 |                  |       |              |
|                   | Pb-free       |        |      |            |                  |                |                    |                 |                  |       |              |
|                   | Halide free   |        |      |            |                  |                |                    |                 |                  |       |              |
| MT9V125IA7XTC-DR1 | AEC Qualified | Active | CMOS | VGA        | 30               | 1/4 inch       | Electronic Rolling | 5.6 x 5.6       | -                | RGB   | IBGA-52      |
|                   | PPAP Capable  |        |      |            |                  |                |                    |                 |                  |       |              |
|                   | Pb-free       |        |      |            |                  |                |                    |                 |                  |       |              |
|                   | Halide free   |        |      |            |                  |                |                    |                 |                  |       |              |
| MT9V125IA7XTC-TR  | AEC Qualified | Active | CMOS | VGA        | 30               | 1/4 inch       | Electronic Rolling | 5.6 x 5.6       | -                | RGB   | IBGA-52      |
|                   | PPAP Capable  |        |      |            |                  |                |                    |                 |                  |       |              |
|                   | Pb-free       |        |      |            |                  |                |                    |                 |                  |       |              |
|                   | Halide free   |        |      |            |                  |                |                    |                 |                  |       |              |

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