

## Product Overview

### MT9V022: CMOS Image Sensor, Digital, Global Shutter, VGA, 1/3"

For complete documentation, see the data sheet.

The MT9V022 6um 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	Pricing (\$/Unit)	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Package Type
MT9V022IA7ATC-DP		AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS		60	1/3 inch	Global Shutter	6.0 x 6.0	HiSPi™ Parallel	RGB	IBGA-52
MT9V022IA7ATC-DR		AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS		60	1/3 inch	Global Shutter	6.0 x 6.0	HiSPi™ Parallel	RGB	IBGA-52
MT9V022IA7ATM-DP		AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS		60	1/3 inch	Global Shutter	6.0 x 6.0	HiSPi™ Parallel	Mono	IBGA-52
MT9V022IA7ATM-DR		AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS		60	1/3 inch	Global Shutter	6.0 x 6.0	HiSPi™ Parallel	Mono	IBGA-52
MT9V022IA7ATM-DR1		AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS		60	1/3 inch	Global Shutter	6.0 x 6.0	HiSPi™ Parallel	RGB and Mono	IBGA-52
MT9V022IA7ATM-FD-DR		AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS		60	1/3 inch	Global Shutter	6.0 x 6.0	HiSPi™ Parallel	Mono	IBGA-52
MT9V022IA7ATM-TP		AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS		60	1/3 inch	Global Shutter	6.0 x 6.0	HiSPi™ Parallel	Mono	IBGA-52

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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