



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

### MT9V024: CMOS Image Sensor, Digital, Global Shutter, VGA, 1/3"

For complete documentation, see the data sheet.

The MT9V024 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 MT9V024 enhanced NIR pixel process provides excellent image quality in very low-light night conditions.

### Features

- High Dynamic Range



Product	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Package Type
MT9V024IA7XTC-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
MT9V024IA7XTC-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
MT9V024IA7XTC-DR1	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
MT9V024IA7XTM-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
MT9V024IA7XTM-DP1	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
MT9V024IA7XTM-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
MT9V024IA7XTM-DR1	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
MT9V024IA7XTM-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
MT9V024IA7XTM-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
MT9V024IA7XTR-DP	AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	WVGA	60	1/3 inch	Global Shutter	6.0 x 6.0	-	Other	IBGA-52
MT9V024IA7XTR-DP1	AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	WVGA	60	1/3 inch	Global Shutter	6.0 x 6.0	-	Other	IBGA-52

MT9V024IA7XTR-DR	AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	WVGA	60	1/3 inch	Global Shutter	6.0 x 6.0	-	Other	IBGA-52
MT9V024IA7XTR-DR1	AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	WVGA	60	1/3 inch	Global Shutter	6.0 x 6.0	-	Other	IBGA-52
MT9V024IA7XTR-TP	AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	WVGA	60	1/3 inch	Global Shutter	6.0 x 6.0	-	Other	IBGA-52
MT9V024IA7XTR-TR	AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	WVGA	60	1/3 inch	Global Shutter	6.0 x 6.0	-	Other	IBGA-52

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

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