



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

AP0102AT: Image Signal Processor, 1 MP

For complete documentation, see the data sheet.

AP0102AT is a dedicated automotive image co-processor that enables flexible camera platforms using high performance ON Semiconductor megapixel high dynamic range (HDR) sensors. The two-chip solution of sensor and co-processor allows for multiple camera price and performance points with re-use of circuit board design, fast time to market and design flexibility. Sensor performance is enhanced by the reduction in heat resulting from a separate co-processor chip while at the same time enabling high performance features. The AP0102AT supports 185-degree fisheye lens distortion correction, perspective correction and multiple view options such as split side view, triptych and trailer hitch. This co-processor works with ON Semiconductor's AR0132AT, AR0140AT and AR0136AT HDR automotive sensors, and is ideal for digital rear view cameras.

Features

- HDR

Applications

- Automotive

Part Electrical Specifications

Product	Compliance	Status	Frame Rate (fps)	Video	Output Format	Compatible Sensors	Package Type	
AP0102AT2L00XPGA 0-DR	AEC Qualified	Active	45	1080p/30 fps	RGB565	AR0231	VFBGA-100	
	PPAP Capable			720p/60 fps	YUV	AR0132AT		
				Pb-free	1.2 MP/45 fps	RGB888		AR0140AT
								AR0136AT
Halide free								
AP0102AT2L00XPGA 0-TR	AEC Qualified	Active	45	1080p/30 fps	YUV	AR0140AT	VFBGA-100	
	PPAP Capable			1.2 MP/45 fps	RGB888	AR0136AT		
				Pb-free	720p/60 fps	RGB565		AR0132AT
								Halide free

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

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