

AP0100AT

Image Signal Processor, 1 MP

Product Overview

For complete documentation, see the data sheet.

AP0100AT is a dedicated automotive image co-processor that enables flexible camera platforms using high performance onsemi 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 AP0100AT 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 onsemi's AR0132AT and AR0140AT HDR automotive sensors, and is ideal for NTSC/PAL backup cameras.

Features

- High Dynamic Range

Applications

- Automotive

Part Electrical Specifications

Product	Status	Compliance	Frame Rate (fps)	Video	Output Format	Compatible Sensors	Package Type	Case Outline	MSL Type	MSL Temp (°C)	Container Type	Container Qty.
AP0100AT2L00 XUGA0-AM-DR	Obsolete		45	720p/60 fts, NTSC/PAL	YUV	AR0132 AR0140 ARX550	VFBGA-100	138AH. PDF	3	260	JTRAY	2600
AP0100AT2L00 XUGA0-AM-DR1	Obsolete		45	720p/60 fts, NTSC/PAL	YUV	AR0132 AR0140 ARX550	VFBGA-100	138AH. PDF	3	260	JTRAY	260
AP0100AT2L00 XUGA0-AM-TR	Obsolete		45	720p/60 fts, NTSC/PAL	YUV	AR0132 AR0140 ARX550	VFBGA-100	138AH. PDF	3	260	REEL	3000
AP0100AT2L00 XUGA0-DR	Active		45	720p/60 fts, NTSC/PAL	YUV	AR0132 AR0140 ARX550	VFBGA-100	138AH. PDF	3	260	JTRAY	2600
AP0100AT2L00 XUGA0-DR1	Obsolete		45	720p/60 fts, NTSC/PAL	YUV	AR0132 AR0140 ARX550	VFBGA-100	138AH. PDF	3	260	JTRAY	260
AP0100AT2L00 XUGA0-TR	Active		45	720p/60 fts, NTSC/PAL	YUV	AR0132 AR0140 ARX550	VFBGA-100	138AH. PDF	3	260	REEL	3000
AP0100AT2L00 XUGA0-TR-E	Obsolete		45	720p/60 fts, NTSC/PAL	YUV	AR0132 AR0140 ARX550	VFBGA-100	138AH. PDF	3	260	REEL	1