

AK9256NK



AKM ASAH KASEI MICRODEVICES CORPORATION

Part Number: [AK9256NK](#)

Manufacturer: [Asahi Kasei Microdevices / AKM Semiconductor](#)

Description: DUAL 14-BIT 1.0MSPS ZDS-NS ADC

Data sheet:  [AK9255A,56A Preliminary~](#)

RoHs Status:

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |                                |                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|---------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | AK9256NK                                  | Manufacturer                   | <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DUAL 14-BIT 1.0MSPS ZDS-NS ADC            | Lead Free Status / RoHS Status |                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 14397 pcs                                 | Data sheet                     | <a href="#">AK9255A,56A Preliminary~</a>                      |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Digital      | 3 V ~ 3.6 V                                                   |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 V ~ 3.6 V                               | Supplier Device Package        | 16-QFN (3x3)                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                         | Sampling Rate (Per Second)     | 1.17M                                                         |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | External                                  | Ratio - S/H:ADC                | 0:1                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 16-QFN                                    | Operating Temperature          | -40°C ~ 105°C                                                 |
| Number of Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2                                         | Number of Bits                 | 14                                                            |
| Number of A/D Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2                                         | Input Type                     | Differential, Pseudo-Differential                             |
| Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                         | Detailed Description           | 14 Bit Analog to Digital Converter 2 Input 2 SAR 16-QFN (3x3) |
| Data Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                         | Configuration                  | ADC                                                           |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SAR                                       |                                |                                                               |
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| RELATED PRODUCTS                                                                   |                                                                                   |                                                                             |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------|
|   | Part#: <a href="#">AK9255NK</a><br>Description: DUAL 16-BIT 1.0MSPS ZDS-NS ADC    | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|   | Part#: <a href="#">AK9233NK</a><br>Description: IC ADC 16BIT SAR 24QFN            | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|   | Part#: <a href="#">AK9256ANK</a><br>Description: DUAL 14-BIT 0.54MSPS ZDS-NS ADC  | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|   | Part#: <a href="#">AK9231NK</a><br>Description: INTEGRATED CIRCUIT                | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|   | Part#: <a href="#">AK93C41AV</a><br>Description: IC EEPROM 1K SPI 8TSSOP          | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AK93C45CL</a><br>Description: IC EEPROM 1K SPI 4MHZ 8SON       | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|   | Part#: <a href="#">AK93C45AF</a><br>Description: IC EEPROM 1K SPI 8SOP            | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|   | Part#: <a href="#">AK93C45BH</a><br>Description: IC EEPROM 1K SPI 8MSOP           | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|   | Part#: <a href="#">AK93C45BL</a><br>Description: IC EEPROM 1K SPI 8SON            | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|   | Part#: <a href="#">AK93C45AV</a><br>Description: IC EEPROM 1K SPI 8TSSOP          | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|   | Part#: <a href="#">AK9232NK</a><br>Description: IC ADC 18BIT SAR 24QFN            | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|   | Part#: <a href="#">AK9223MK</a><br>Description: DATA ACQ MISC                     | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|   | Part#: <a href="#">AK9234NK</a><br>Description: IC ADC 14BIT SAR 24QFN            | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|   | Part#: <a href="#">AK9242NK</a><br>Description: IC ADC 18BIT SAR 24QFN            | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AK93C45CT</a><br>Description: IC EEPROM 1K SPI 4MHZ 8TMSOP     | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|   | Part#: <a href="#">AK93C10AF</a><br>Description: IC EEPROM 64K SPI 8SOP           | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|   | Part#: <a href="#">AK9240ANK</a><br>Description: DUAL 12-BIT 1MSPS SAR ADC WITH P | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|   | Part#: <a href="#">AK93C45CU</a><br>Description: IC EEPROM 1K SPI 4MHZ 8USON      | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|   | Part#: <a href="#">AK9255ANK</a><br>Description: DUAL 16-BIT 0.54MSPS ZDS-NS ADC  | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |
|   | Part#: <a href="#">AK93C55AF</a><br>Description: IC EEPROM 2K SPI 8SOP            | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> | <div>RFQ</div> |

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