

AK8142



AKM ASAH KASEI MICRODEVICES CORPORATION

Part Number: [AK8142](#)

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

Description: IC CLOCK GEN PLL 16TSSOP

Data sheet:  [AK8142](#)

RoHs Status: Lead free / RoHS Compliant

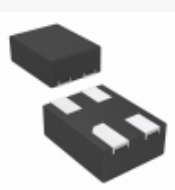
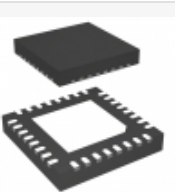
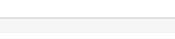
Ship From: Hong Kong

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

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |                                  |                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | AK8142                                    | Manufacturer                     | <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC CLOCK GEN PLL 16TSSOP                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 97640 pcs                                 | Data sheet                       | <a href="#">AK8142</a>                                       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 3 V ~ 3.6 V                                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 16-TSSOP                                  | Series                           | -                                                            |
| Ratio - Input:Output                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1:2                                       | Packaging                        | Tape & Reel (TR)                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 16-TSSOP (0.173", 4.40mm Width)           | PLL                              | Yes with Bypass                                              |
| Output                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Clock                                     | Other Names                      | AK8142-ND<br>AK8142TR                                        |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -30°C ~ 85°C                              | Number of Circuits               | 1                                                            |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Surface Mount                             | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 14 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                   |
| Input                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Crystal                                   | Frequency - Max                  | 200MHz                                                       |
| Divider/Multiplier                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Yes/No                                    | Differential - Input:Output      | No/No                                                        |
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| RELATED PRODUCTS                                                                   |                                                                                   |                                                                              |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">AK8136A</a><br>Description: INTEGRATED CIRCUIT                 | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">AK8135B</a><br>Description: INTEGRATED CIRCUIT                 | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">AK8185B</a><br>Description: INTEGRATED CIRCUIT                 | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">AK8111</a><br>Description: IC CLOCK GEN PLL 6SON               | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">AK8160B2</a><br>Description: IC CLOCK GEN PLL 20QFN            | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">AK8181F</a><br>Description: IC CLK BUFFER 2:4 20TSSOP          | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">AK8180E</a><br>Description: INTEGRATED CIRCUIT                 | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">AK8172A</a><br>Description: IC CLOCK GEN PLL 4USON             | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">AK8135F</a><br>Description: INTEGRATED CIRCUIT                 | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">AK8185A</a><br>Description: IC CLOCK GEN VCO 32QFN             | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">AK8137A</a><br>Description: INTEGRATED CIRCUIT                 | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">AK80A-048L-240F10</a><br>Description: DC DC CONVERTER 24V 240W | Manufacturers: <a href="#">Astec America (Artesyn Embedded Technologies)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AK8130</a><br>Description: IC CLOCK GEN PLL 16TSSOP            | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">AK8113</a><br>Description: IC CLOCK GEN PLL 6SON               | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">AK8146C</a><br>Description: INTEGRATED CIRCUIT                 | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">AK8181B</a><br>Description: IC CLK BUFFER 2:4 20TSSOP          | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">AK8130AH</a><br>Description: IC CLOCK GEN PLL 16TSSOP          | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">AK8134A</a><br>Description: IC CLOCK GEN PLL 16TSSOP           | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">AK8146B</a><br>Description: INTEGRATED CIRCUIT                 | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |
|  | Part#: <a href="#">AK8181A</a><br>Description: IC CLK BUFFER 2:4 20TSSOP          | Manufacturers: <a href="#">Asahi Kasei Microdevices / AKM Semiconductor</a>  | <div>RFQ</div> |

| Related keywords for AK8142                            |                                              |                               |                                |
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