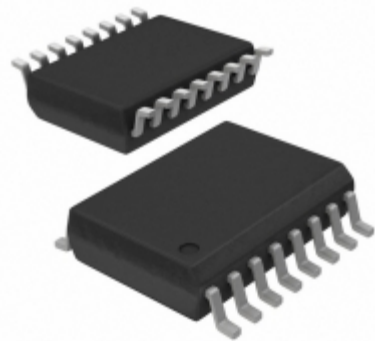


DG509AEWE-C30144



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Part Number:

DG509AEWE-C30144

Manufacturer:

Maxim Integrated

Description:

IC MUX MONO CMOS ANALOG SOIC

Data sheet:

RoHs Status:

Contains lead / RoHS non-compliant

Ship From:

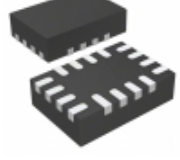
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                              |                                    |                                    |                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|-----------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                    | DG509AEWE-C30144                   | Manufacturer                       | Maxim Integrated                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                    | IC MUX MONO CMOS ANALOG SOIC       | Lead Free Status / RoHS Status     | Contains lead / RoHS non-compliant      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                             | 4537 pcs                           | Data sheet                         |                                         |
| Category                                                                                                                                                                                                                                                                                                                                                                                                       | Integrated Circuits (ICs)          | Voltage - Supply, Single (V+)      | -                                       |
| Voltage - Supply, Dual (V±)                                                                                                                                                                                                                                                                                                                                                                                    | ±4.5 V ~ 18 V                      | Switch Time (Ton, Toff) (Max)      | 1.5µs, 1µs                              |
| Switch Circuit                                                                                                                                                                                                                                                                                                                                                                                                 | SP4T                               | Supplier Device Package            | 16-SOIC                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                         | -                                  | Packaging                          | Tube                                    |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                 | 16-SOIC (0.295", 7.50mm Width)     | Operating Temperature              | -40°C ~ 85°C (TA)                       |
| On-State Resistance (Max)                                                                                                                                                                                                                                                                                                                                                                                      | 450 Ohm                            | Number of Circuits                 | 2                                       |
| Multiplexer/Demultiplexer Circuit                                                                                                                                                                                                                                                                                                                                                                              | 4:1                                | Moisture Sensitivity Level (MSL)   | 1 (Unlimited)                           |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                 | Contains lead / RoHS non-compliant | Detailed Description               | 2 Circuit IC Switch 4:1 450 Ohm 16-SOIC |
| Current - Leakage (IS(off)) (Max)                                                                                                                                                                                                                                                                                                                                                                              | 1nA                                | Crosstalk                          | -                                       |
| Charge Injection                                                                                                                                                                                                                                                                                                                                                                                               | -                                  | Channel-to-Channel Matching (ΔRon) | 27 Ohm                                  |
| Channel Capacitance (CS(off), CD(off))                                                                                                                                                                                                                                                                                                                                                                         | 5pF, 12pF                          | Base Part Number                   | DG509A                                  |
| -3db Bandwidth                                                                                                                                                                                                                                                                                                                                                                                                 | -                                  |                                    |                                         |
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|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------|
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|  | Part#: <a href="#">DG528AK</a><br>Description: IC MULTIPLEXER 8X1 18DIP               | Manufacturers: <a href="#">Electro-Films (EFI) / Vishay</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DG528AK/883B</a><br>Description: IC MUX 8:1 400 OHM 18DIP          | Manufacturers: <a href="#">Maxim Integrated</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">DG509ADJ+</a><br>Description: IC MULTIPLEXER DUAL 4X1 16DIP        | Manufacturers: <a href="#">Maxim Integrated</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">DG528CJ+</a><br>Description: IC MULTIPLEXER 8X1 18DIP              | Manufacturers: <a href="#">Maxim Integrated</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">DG509ADY+</a><br>Description: IC MULTIPLEXER DUAL 4X1 16SOIC       | Manufacturers: <a href="#">Maxim Integrated</a>             | <div>RFQ</div> |
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|  | Part#: <a href="#">DG509ADY-T</a><br>Description: IC MUX ANLG MONO CMOS 16SOIC        | Manufacturers: <a href="#">Maxim Integrated</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">DG509AEWE+</a><br>Description: IC MULTIPLEXER DUAL 4X1 16SOIC      | Manufacturers: <a href="#">Maxim Integrated</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">DG509ACWE+</a><br>Description: IC MULTIPLEXER DUAL 4X1 16SOIC      | Manufacturers: <a href="#">Maxim Integrated</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">DG509BEQ-T1-E3</a><br>Description: IC MUX DUAL 4CHAN PREC 16-TSSOP | Manufacturers: <a href="#">Electro-Films (EFI) / Vishay</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DG509ADY+T</a><br>Description: IC MULTIPLEXER DUAL 4X1 16SOIC      | Manufacturers: <a href="#">Maxim Integrated</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">DG509ADY</a><br>Description: IC MULTIPLEXER DUAL 4X1 16SOIC        | Manufacturers: <a href="#">Maxim Integrated</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">DG509ACWE+T</a><br>Description: IC MULTIPLEXER DUAL 4X1 16SOIC     | Manufacturers: <a href="#">Maxim Integrated</a>             | <div>RFQ</div> |
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|  | Part#: <a href="#">DG528CWN+T</a><br>Description: IC MULTIPLEXER 8X1 18SOIC           | Manufacturers: <a href="#">Maxim Integrated</a>             | <div>RFQ</div> |
|  | Part#: <a href="#">DG509BEN-T1-GE4</a><br>Description: IC MUX ANALOG SINGLE 8CH 16QFN | Manufacturers: <a href="#">Electro-Films (EFI) / Vishay</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DG528BK</a><br>Description: IC MULTIPLEXER 8X1 18DIP               | Manufacturers: <a href="#">Electro-Films (EFI) / Vishay</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DG528CWN+</a><br>Description: IC MULTIPLEXER 8X1 18SOIC            | Manufacturers: <a href="#">Maxim Integrated</a>             | <div>RFQ</div> |
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