

MAX381CSE+





Part Number:

MAX381CSE+

Manufacturer:

Maxim Integrated

Description:

IC SWITCH SPST 16SOIC

Data sheet:

 [MAX381/83/85](#)

 [Part Numbering System](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

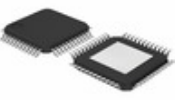
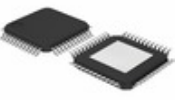
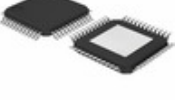
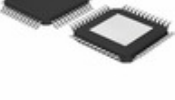
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                    |                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------|-----------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                             | MAX381CSE+                                | Manufacturer                       | <a href="#">Maxim Integrated</a>                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC SWITCH SPST 16SOIC                     | Lead Free Status / RoHS Status     | Lead free / RoHS Compliant                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5561 pcs                                  | Data sheet                         | <a href="#">MAX381/83/85</a><br><a href="#">Part Numbering System</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Single (V+)      | 3 V ~ 15 V                                                            |
| Voltage - Supply, Dual (V±)                                                                                                                                                                                                                                                                                                                                                                                                                             | ±3 V ~ 8 V                                | Switch Time (Ton, Toff) (Max)      | 175ns, 100ns                                                          |
| Switch Circuit                                                                                                                                                                                                                                                                                                                                                                                                                                          | SPST - NO                                 | Supplier Device Package            | 16-SO                                                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                         | Packaging                          | Tube                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                          | 16-SOIC (0.154", 3.90mm Width)            | Operating Temperature              | 0°C ~ 70°C (TA)                                                       |
| On-State Resistance (Max)                                                                                                                                                                                                                                                                                                                                                                                                                               | 35 Ohm                                    | Number of Circuits                 | 2                                                                     |
| Multiplexer/Demultiplexer Circuit                                                                                                                                                                                                                                                                                                                                                                                                                       | 1:1                                       | Moisture Sensitivity Level (MSL)   | 1 (Unlimited)                                                         |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                          | Lead free / RoHS Compliant                | Detailed Description               | 2 Circuit IC Switch 1:1 35 Ohm 16-SO                                  |
| Current - Leakage (IS(off)) (Max)                                                                                                                                                                                                                                                                                                                                                                                                                       | 200pA                                     | Crosstalk                          | -90dB @ 1MHz                                                          |
| Charge Injection                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2pC                                       | Channel-to-Channel Matching (ΔRon) | 500 mOhm                                                              |
| Channel Capacitance (CS(off), CD(off))                                                                                                                                                                                                                                                                                                                                                                                                                  | 12pF, 12pF                                | Base Part Number                   | MAX381                                                                |
| -3db Bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                         |                                    |                                                                       |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                                 |                |
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|  | Part#: <a href="#">MAX3815CCM+DG05</a><br>Description: IC EQUALIZER VIDEO 48-TQFP   | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX3816ACUE+T</a><br>Description: IC I2C 2WIRE EXTENDER 16-TSSOP | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MAX381CPE+</a><br>Description: IC SWITCH SPST 16DIP              | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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