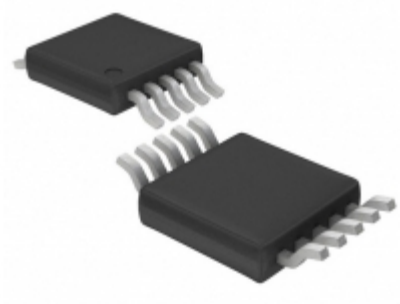


LT3970EMS-5#PBF



Images are for reference only.  
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Part Number: [LT3970EMS-5#PBF](#)

Manufacturer: [ADI \(Analog Devices, Inc.\)](#)

Description: IC REG BUCK 5V 535MA 10MSOP

Data sheet:

 [Mac OS X Shortcuts](#)

 [LTspice Flyer](#)

 [LTspice IV Getting Started Guide](#)

 [LT3970 Datasheet](#)

 [LTpowerCAD II User Guide](#)

 [LTpowerCAD II Quick Start Guide](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                |                                  |                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | LT3970EMS-5#PBF                                                                                                | Manufacturer                     | <a href="#">ADI (Analog Devices, Inc.)</a>                                                                                                                                                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC REG BUCK 5V 535MA 10MSOP                                                                                    | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 31942 pcs                                                                                                      | Data sheet                       | <a href="#">Mac OS X Shortcuts</a><br><a href="#">LTspice Flyer</a><br><a href="#">LTspice IV Getting Started</a><br><a href="#">LT3970 Datasheet</a><br><a href="#">LTpowerCAD II User Guide</a><br><a href="#">LTpowerCAD II Quick Start Guide</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Integrated Circuits (ICs)</a>                                                                      | Voltage - Output (Min/Fixed)     | 5V                                                                                                                                                                                                                                                   |
| Voltage - Output (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                                                                                              | Voltage - Input (Min)            | 4.2V                                                                                                                                                                                                                                                 |
| Voltage - Input (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 40V                                                                                                            | Topology                         | Buck                                                                                                                                                                                                                                                 |
| Synchronous Rectifier                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No                                                                                                             | Supplier Device Package          | 10-MSOP                                                                                                                                                                                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                                                                                              | Packaging                        | Tube                                                                                                                                                                                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)                                                                       | Output Type                      | Fixed                                                                                                                                                                                                                                                |
| Output Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Positive                                                                                                       | Other Names                      | LT3970EMS5PBF                                                                                                                                                                                                                                        |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -40°C ~ 125°C (TJ)                                                                                             | Number of Outputs                | 1                                                                                                                                                                                                                                                    |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Surface Mount                                                                                                  | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                        |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 12 Weeks                                                                                                       | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                           |
| Function                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Step-Down                                                                                                      | Frequency - Switching            | 200kHz ~ 2.25MHz                                                                                                                                                                                                                                     |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Buck Switching Regulator IC Positive Fixed 5V 1 Output 535mA (Switch) 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) | Current - Output                 | 535mA (Switch)                                                                                                                                                                                                                                       |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | LT3970                                                                                                         |                                  |                                                                                                                                                                                                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                                              |                                                           |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------|
|  | Part#: <a href="#">LT3970IDDB#TRPBF</a><br>Description: IC REG BUCK ADJ 535MA 10DFN          | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970HMS-3.3#TRPBF</a><br>Description: IC REG BUCK 3.3V 535MA 10MSOP     | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970HMS-5#PBF</a><br>Description: IC REG BUCK 5V 535MA 10MSOP           | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970EDDB-3.42#TRMPBF</a><br>Description: IC REG BUCK 3.42V 535MA 10-DFN | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970EDDB-3.42#TRPBF</a><br>Description: IC REG BUCK 3.42V 535MA 10-DFN  | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970IDDB-3.3#TRMPBF</a><br>Description: IC REG BUCK 3.3V 535MA 10DFN    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970HMS-3.3#PBF</a><br>Description: IC REG BUCK 3.3V 535MA 10MSOP       | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970EMS#PBF</a><br>Description: IC REG BUCK ADJ 535MA 10MSOP            | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970IDDB#TRMPBF</a><br>Description: IC REG BUCK ADJ 535MA 10DFN         | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970HMS#PBF</a><br>Description: IC REG BUCK ADJ 535MA 10MSOP            | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970EMS-5#TRPBF</a><br>Description: IC REG BUCK 5V 535MA 10MSOP         | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970EMS-3#PBF</a><br>Description: IC REG BUCK 3.3V 535MA 10MSOP         | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970HMS-5#TRPBF</a><br>Description: IC REG BUCK 5V 535MA 10MSOP         | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970EDDB-3.3#TRMPBF</a><br>Description: IC REG BUCK 3.3V 535MA 10DFN    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970EMS-3.3#TRPBF</a><br>Description: IC REG BUCK 3.3V 535MA 10MSOP     | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970EDDB-5#TRPBF</a><br>Description: IC REG BUCK 5V 535MA 10DFN         | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970EMS#TRPBF</a><br>Description: IC REG BUCK ADJ 535MA 10MSOP          | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970EDDB-5#TRMPBF</a><br>Description: IC REG BUCK 5V 535MA 10DFN        | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970EDDB-3.3#TRPBF</a><br>Description: IC REG BUCK 3.3V 535MA 10DFN     | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970HMS#TRPBF</a><br>Description: IC REG BUCK ADJ 535MA 10MSOP          | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |

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