

LT3685IMSE#PBF





AHEAD OF WHAT'S POSSIBLE™

Part Number:

LT3685IMSE#PBF

Manufacturer:

ADI (Analog Devices, Inc.)

Description:

IC REG BUCK ADJ 2A 10MSOP

Data sheet:

 [LT3685 Datasheet](#)

 [Mac OS X Shortcuts](#)

 [LTspice Flyer](#)

 [LTspice IV Getting Started Guide](#)

 [LTpowerCAD II User Guide](#)

 [LTpowerCAD II Quick Start Guide](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

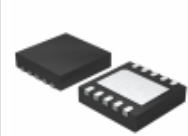
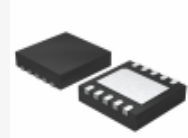
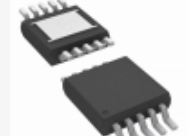
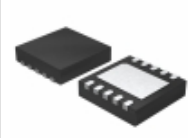
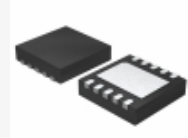
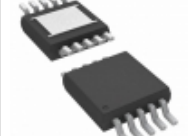
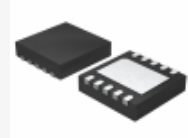
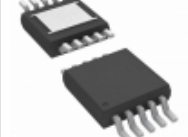
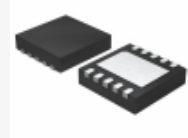
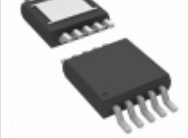
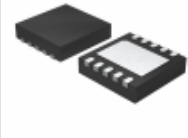
Shipment Way:

DHL/Fedex/TNT/UPS/EMS

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

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                        |                                  |                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                       | LT3685IMSE#PBF                                                                                                         | Manufacturer                     | ADI (Analog Devices, Inc.)                                                                                                                                                                                                                                 |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                       | IC REG BUCK ADJ 2A 10MSOP                                                                                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                | 21605 pcs                                                                                                              | Data sheet                       | <a href="#">LT3685 Datasheet</a><br><a href="#">Mac OS X Shortcuts</a><br><a href="#">LTspice Flyer</a><br><a href="#">LTspice IV Getting Started Guide</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)     | 0.79V                                                                                                                                                                                                                                                      |
| Voltage - Output (Max)                                                                                                                                                                                                                                                                                                                                                                                                            | 20V                                                                                                                    | Voltage - Input (Min)            | 3.6V                                                                                                                                                                                                                                                       |
| Voltage - Input (Max)                                                                                                                                                                                                                                                                                                                                                                                                             | 36V                                                                                                                    | Topology                         | Buck                                                                                                                                                                                                                                                       |
| Synchronous Rectifier                                                                                                                                                                                                                                                                                                                                                                                                             | No                                                                                                                     | Supplier Device Package          | 10-MSOP                                                                                                                                                                                                                                                    |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                                                                                                      | Packaging                        | Tube                                                                                                                                                                                                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                    | 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad                                                                   | Output Type                      | Adjustable                                                                                                                                                                                                                                                 |
| Output Configuration                                                                                                                                                                                                                                                                                                                                                                                                              | Positive                                                                                                               | Other Names                      | LT3685IMSEPBF                                                                                                                                                                                                                                              |
| 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 ~ 2.4MHz                                                                                                                                                                                                                                            |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                              | Buck Switching Regulator IC Positive Adjustable 0.79V 1 Output 2A 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad | Current - Output                 | 2A                                                                                                                                                                                                                                                         |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | LT3685                                                                                                                 |                                  |                                                                                                                                                                                                                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                      |                                                           |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------|
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|  | Part#: <a href="#">LT3684IDD#TRPBF</a><br>Description: IC REG BUCK ADJ 2A 10DFN      | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3686AHMSE#PBF</a><br>Description: IC REG BUCK ADJ 1.2A 12MSOP   | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3685IMSE#TRPBF</a><br>Description: IC REG BUCK ADJ 2A 10MSOP    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3686AIDD#PBF</a><br>Description: IC REG BUCK ADJ 1.2A 10DFN     | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3685EDD#TRPBF</a><br>Description: IC REG BUCK ADJ 2A 10DFN      | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3684IMSE#TRPBF</a><br>Description: IC REG BUCK ADJ 2A 10MSOP    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LT3685EMSE#TRPBF</a><br>Description: IC REG BUCK ADJ 2A 10MSOP    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LT3686AEDD#TRPBF</a><br>Description: IC REG BUCK ADJ 1.2A 10DFN   | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3685EDD#PBF</a><br>Description: IC REG BUCK ADJ 2A 10DFN        | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
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