

LT1116CS8#PBF



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Part Number: [LT1116CS8#PBF](#)

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

Description: IC COMPARATOR 12NS SINGLE 8SOIC

Data sheet:  [LT1116](#)  
 [Mac OS X Shortcuts](#)  
 [LTspice Flyer](#)  
 [LTspice IV Getting Started Guide](#)

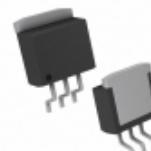
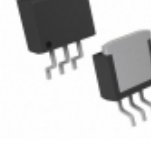
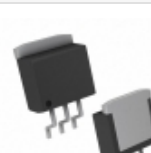
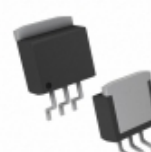
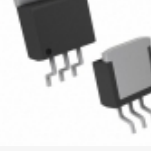
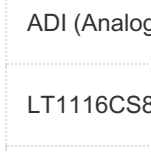
RoHs Status: Lead free / RoHS Compliant

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                       |                                   |                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LT1116CS8#PBF                                         | Manufacturer                      | <a href="#">ADI (Analog Devices, Inc.)</a>                                                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | IC COMPARATOR 12NS SINGLE 8SOIC                       | Lead Free Status / RoHS Status    | Lead free / RoHS Compliant                                                                                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 22110 pcs                                             | Data sheet                        | <a href="#">LT1116</a><br><a href="#">Mac OS X Shortcuts</a><br><a href="#">LTspice Flyer</a><br><a href="#">LTspice IV Getting Started Guide</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <a href="#">Integrated Circuits (ICs)</a>             | Voltage - Supply, Single/Dual (±) | -                                                                                                                                                 |
| Voltage - Input Offset (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3mV @ 5V                                              | Type                              | with Latch                                                                                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 8-SOIC                                                | Series                            | UltraFast™                                                                                                                                        |
| Propagation Delay (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 16ns                                                  | Packaging                         | Tube                                                                                                                                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8-SOIC (0.154", 3.90mm Width)                         | Output Type                       | CMOS, Complementary, TTL                                                                                                                          |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LT1116CS8PBF                                          | Operating Temperature             | 0°C ~ 70°C                                                                                                                                        |
| Number of Elements                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 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                            | Hysteresis                        | -                                                                                                                                                 |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Comparator with Latch CMOS, Complementary, TTL 8-SOIC | Current - Quiescent (Max)         | 38mA                                                                                                                                              |
| Current - Output (Typ)                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 20mA                                                  | Current - Input Bias (Max)        | 20µA @ 5V                                                                                                                                         |
| CMRR, PSRR (Typ)                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 90dB CMRR, 75dB PSRR                                  | Base Part Number                  | LT1116                                                                                                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                            |                                                           |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------|
|  | Part#: <a href="#">LT1117CM-3.3#PBF</a><br>Description: IC REG LINEAR 3.3V 800MA D2PAK-3   | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1116CN8#PBF</a><br>Description: IC COMPARATOR 12NS SINGLE 8-DIP       | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1117CM-2.85#TRPBF</a><br>Description: IC REG LIN 2.85V 800MA D2PAK-3  | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1114IS#PBF</a><br>Description: IC OPAMP GP 750KHZ 16SO                | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1114IN</a><br>Description: IC OPAMP GP 750KHZ 14DIP                   | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1114S#TRPBF</a><br>Description: IC OPAMP GP 750KHZ 16SO               | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1117CM-2.85#PBF</a><br>Description: IC REG LIN 2.85V 800MA D2PAK-3    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1115CN8#PBF</a><br>Description: IC OPAMP AUDIO 70MHZ 8DIP             | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1116CS8#TRPBF</a><br>Description: IC COMPARATOR 12NS SINGLE 8SOIC     | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1114IN#PBF</a><br>Description: IC OPAMP GP 750KHZ 14DIP               | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1117CM-3.3#TRPBF</a><br>Description: IC REG LINEAR 3.3V 800MA D2PAK-3 | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1115CSW#TRPBF</a><br>Description: IC OPAMP AUDIO 70MHZ 16SO           | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1117CM-5#PBF</a><br>Description: IC REG LINEAR 5V 800MA D2PAK-3       | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1117CM#TRPBF</a><br>Description: IC REG LIN POS ADJ 800MA D2PAK-3     | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1115CSW#PBF</a><br>Description: IC OPAMP AUDIO 70MHZ 16SO             | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1117CM#PBF</a><br>Description: IC REG LIN POS ADJ 800MA D2PAK-3       | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1114S#PBF</a><br>Description: IC OPAMP GP 750KHZ 16SO                 | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1114IS#TRPBF</a><br>Description: IC OPAMP GP 750KHZ 16SO              | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1117CST#PBF</a><br>Description: IC REG LIN POS ADJ 800MA SOT223       | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT1117CM-5#TRPBF</a><br>Description: IC REG LINEAR 5V 800MA D2PAK-3     | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |

| Related keywords for LT1116CS8#PBF       |                           |                                          |                                   |
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