

LM2588SX-12



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Part Number: [LM2588SX-12](#)

Manufacturer: [N/A](#)

Description: [IC REG MULTI CONFIG 12V 5A TO263](#)

Data sheet:

RoHs Status: [Contains lead / RoHS non-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                                                                                                                                                                                                                                                                                                                                                                                                            | LM2588SX-12                                                                                                                                | Manufacturer                   | N/A                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                            | IC REG MULTI CONFIG 12V 5A TO263                                                                                                           | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                     | 6007 pcs                                                                                                                                   | Data sheet                     |                                    |
| Category                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>                                                                                                  | Voltage - Output (Min/Fixed)   | 12V                                |
| Voltage - Output (Max)                                                                                                                                                                                                                                                                                                                                                                                                 | -                                                                                                                                          | Voltage - Input (Min)          | 4V                                 |
| Voltage - Input (Max)                                                                                                                                                                                                                                                                                                                                                                                                  | 40V                                                                                                                                        | Topology                       | Boost, Flyback, Forward Converter  |
| Synchronous Rectifier                                                                                                                                                                                                                                                                                                                                                                                                  | No                                                                                                                                         | Supplier Device Package        | DDPAK/TO-263-7                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                 | SIMPLE SWITCHER®                                                                                                                           | Packaging                      | Tape & Reel (TR)                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                         | TO-263-8, D²Pak (7 Leads + Tab), TO-263CA                                                                                                  | Output Type                    | Fixed                              |
| Output Configuration                                                                                                                                                                                                                                                                                                                                                                                                   | Positive                                                                                                                                   | Operating Temperature          | -40°C ~ 125°C (TJ)                 |
| Number of Outputs                                                                                                                                                                                                                                                                                                                                                                                                      | 1                                                                                                                                          | Mounting Type                  | Surface Mount                      |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                       | 3 (168 Hours)                                                                                                                              | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant |
| Function                                                                                                                                                                                                                                                                                                                                                                                                               | Step-Up, Step-Up/Step-Down                                                                                                                 | Frequency - Switching          | 100kHz ~ 200kHz                    |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                   | Boost, Flyback, Forward Converter Switching Regulator IC Positive Fixed 12V 1 Output 5A (Switch) TO-263-8, D²Pak (7 Leads + Tab), TO-263CA | Current - Output               | 5A (Switch)                        |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                       | LM2588                                                                                                                                     |                                |                                    |
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| RELATED PRODUCTS                                                                   |                                                                                                           |                                    |                |
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|  | Part#: <a href="#">LM2588S-3.3</a><br>Description: <a href="#">IC REG MULT CONFIG 3.3V 5A TO263</a>       | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM2588T-3.3</a><br>Description: <a href="#">IC REG MULT CONFIG 3.3V 5A TO220</a>       | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM2588S-5.0</a><br>Description: <a href="#">IC REG MULTI CONFIG 5V 5A TO263</a>        | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM2588SX-5.0/NOPB</a><br>Description: <a href="#">IC REG MULTI CONFIG 5V 5A TO263</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM2588S-ADJ/NOPB</a><br>Description: <a href="#">IC REG MULTI CONFIG ADJ 5A TO263</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM2588SX-3.3/NOPB</a><br>Description: <a href="#">IC REG MULT CONFIG 3.3V 5A TO263</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM2588S-12</a><br>Description: <a href="#">IC REG MULTI CONFIG 12V 5A TO263</a>        | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM2588SX-ADJ/NOPB</a><br>Description: <a href="#">IC REG MULTI CONFIG ADJ 5A TO263</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LM2588T-12/NOPB</a><br>Description: <a href="#">IC REG MULTI CONFIG 12V 5A TO220</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM2588S-3.3</a><br>Description: <a href="#">IC REG MULT CONFIG 3.3V 5A TO263</a>       | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM2588S-ADJ</a><br>Description: <a href="#">IC REG MULTI CONFIG ADJ 5A TO263</a>       | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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