

NCP4586DSN50T1G



**ON Semiconductor®**

**Part Number:** [NCP4586DSN50T1G](#)

**Manufacturer:** [AMI Semiconductor / ON Semiconductor](#)

**Description:** IC REG LINEAR 5V 150MA SOT23-5

**Data sheet:**  [NCP4586 Series](#)

**RoHs Status:** Lead free / RoHS Compliant

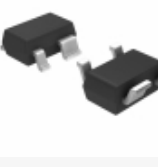
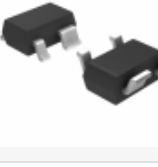
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                  |                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-----------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                             | NCP4586DSN50T1G                           | Manufacturer                     | <a href="#">AMI Semiconductor / ON Semiconductor</a>                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC REG LINEAR 5V 150MA SOT23-5            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                      | 235955 pcs                                | Data sheet                       | <a href="#">NCP4586 Series</a>                                        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage Dropout (Max)            | 0.37V @ 150mA                                                         |
| Voltage - Output (Min/Fixed)                                                                                                                                                                                                                                                                                                                                                                                                                            | 5V                                        | Voltage - Output (Max)           | -                                                                     |
| Voltage - Input (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6.5V                                      | Supplier Device Package          | SOT-23-5                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                         | Protection Features              | Over Current                                                          |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                               | Tape & Reel (TR)                          | Package / Case                   | SC-74A, SOT-753                                                       |
| PSRR                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 80dB (1kHz)                               | Output Type                      | Fixed                                                                 |
| Output Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                    | Positive                                  | Other Names                      | NCP4586DSN50T1G-ND<br>NCP4586DSN50T1GOSTR                             |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 85°C                              | Number of Regulators             | 1                                                                     |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                           | Surface Mount                             | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                         |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                          | Lead free / RoHS Compliant                | Detailed Description             | Linear Voltage Regulator IC Positive Fixed 1 Output 5V 150mA SOT-23-5 |
| Current - Quiescent (Iq)                                                                                                                                                                                                                                                                                                                                                                                                                                | 58µA                                      | Current - Output                 | 150mA                                                                 |
| Control Features                                                                                                                                                                                                                                                                                                                                                                                                                                        | Enable                                    | Base Part Number                 | NCP4586                                                               |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                                     |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">NCP4586DMU28TCG</a><br>Description: IC REG LINEAR 2.8V 150MA 4UDFN   | Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NCP4586DMU30TCG</a><br>Description: IC REG LINEAR 3V 150MA 4UDFN     | Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NCP4587DMX30TCG</a><br>Description: IC REG LDO 3V 0.15A 6XDFN        | Manufacturers: <a href="#">ON Semiconductor</a>                     | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NCP4586DSQ30T1G</a><br>Description: IC REG LINEAR 3V 150MA SC82AB    | Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NCP4586DMU33TCG</a><br>Description: IC REG LINEAR 3.3V 150MA 4UDFN   | Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NCP4586DSQ50T1G</a><br>Description: IC REG LINEAR 5V 150MA SC82AB    | Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NCP4586DSN18T1G</a><br>Description: IC REG LINEAR 1.8V 150MA SOT23-5 | Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NCP4587DMX12TCG</a><br>Description: IC REG LINEAR 1.2V 150MA 6XDFN   | Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NCP4586DSN28T1G</a><br>Description: IC REG LINEAR 2.8V 150MA SOT23-5 | Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">NCP4586DSQ33T1G</a><br>Description: IC REG LINEAR 3.3V 150MA SC82AB  | Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">NCP4586DMU25TCG</a><br>Description: IC REG LINEAR 2.5V 150MA 4UDFN   | Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NCP4586DSN12T1G</a><br>Description: IC REG LINEAR 1.2V 150MA SOT23-5 | Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NCP4586DSN33T1G</a><br>Description: IC REG LINEAR 3.3V 150MA SOT23-5 | Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NCP4587DMX28TCG</a><br>Description: IC REG LINEAR 2.8V 150MA 6XDFN   | Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NCP4586DMU50TCG</a><br>Description: IC REG LINEAR 5V 150MA 4UDFN     | Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NCP4586DSQ18T1G</a><br>Description: IC REG LINEAR 1.8V 150MA SC82AB  | Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NCP4586DSQ12T1G</a><br>Description: IC REG LINEAR 1.2V 150MA SC82AB  | Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NCP4587DMX18TCG</a><br>Description: IC REG LINEAR 1.8V 150MA 6XDFN   | Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> | <a href="#">RFQ</a> |

| Related keywords for NCP4586DSN50T1G   |                                      |                                           |                                            |
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