

NX3L1T3157GM,115



**Part Number:** [NX3L1T3157GM,115](#)

**Manufacturer:** [NXP Semiconductors / Freescale](#)

**Description:** IC SWITCH SPDT 6XSON

**Data sheet:**  [NX3L1T3157](#)

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

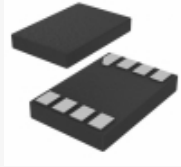
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See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          |                                        |                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NX3L1T3157GM,115                                         | Manufacturer                           | <a href="#">NXP Semiconductors / Freescale</a>                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC SWITCH SPDT 6XSON                                     | Lead Free Status / RoHS Status         | Lead free / RoHS Compliant                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 521968 pcs                                               | Data sheet                             | <a href="#">NX3L1T3157</a>                                        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>                | Voltage - Supply, Single (V+)          | 1.4 V ~ 4.3 V                                                     |
| Voltage - Supply, Dual (V±)                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                                        | Switch Time (Ton, Toff) (Max)          | 40ns, 20ns                                                        |
| Switch Circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SPDT                                                     | Supplier Device Package                | 6-XSON, SOT886 (1.45x1)                                           |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                        | Packaging                              | Tape & Reel (TR)                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6-XDFDN                                                  | Other Names                            | 568-4655-2<br>935285418115<br>NX3L1T3157GM-G<br>NX3L1T3157GM-G-ND |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -40°C ~ 125°C (TA)                                       | On-State Resistance (Max)              | 500 mOhm                                                          |
| Number of Circuits                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                                                        | Multiplexer/Demultiplexer Circuit      | 2:1                                                               |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1 (Unlimited)                                            | Lead Free Status / RoHS Status         | Lead free / RoHS Compliant                                        |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1 Circuit IC Switch 2:1 500 mOhm 6-XSON, SOT886 (1.45x1) | Current - Leakage (IS(off)) (Max)      | 10nA                                                              |
| Crosstalk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                                        | Charge Injection                       | 15pC                                                              |
| Channel-to-Channel Matching (ΔRon)                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 20 mOhm                                                  | Channel Capacitance (CS(off), CD(off)) | 35pF                                                              |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NX3L1T3157G                                              | -3db Bandwidth                         | 60MHz                                                             |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                               |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">NX3L1G66GM,132</a><br>Description: IC SWITCH SPDT 6XSON             | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NX3L1T5157GM,132</a><br>Description: IC ANALOG SWITCH SPDT XSON6    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NX3L1T66GM,115</a><br>Description: IC ANALOG SWITCH SPST XSON6      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NX3L1T5157GM,115</a><br>Description: IC ANALOG SWITCH XSON6         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NX3L1T53GT,115</a><br>Description: IC ANALOG SWITCH SPDT XSON8U     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">NX3L1G384GW,125</a><br>Description: IC ANALOG SWITCH SPST 5TSSOP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">NX3L2267GM,115</a><br>Description: IC ANALOG SWITCH SPDT 10XQFN     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NX3L1G66GW-Q100H</a><br>Description: IC SWITCH SPST 750 MOHM 5TSSOP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NX3L1G53GM,125</a><br>Description: IC SWITCH SPDT 8XQFN             | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NX3L1G66GW,125</a><br>Description: IC ANALOG SWITCH SPST SOT353     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NX3L1T53GM,125</a><br>Description: IC ANALOG SWITCH SPDT 8XQFN      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NX3L1T3157GW,125</a><br>Description: IC SWITCH SPDT 6TSSOP          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NX3L1G53GT,115</a><br>Description: IC SWITCH SPDT 8XSON             | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NX3L1G384GM,132</a><br>Description: IC SWITCH SPST 6XSON            | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">NX3L1T53GD,125</a><br>Description: IC ANALOG SWITCH SPDT XSON8U     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

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