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|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------|
|   | <h2 style="color: #E67E22;">BC847A/SNVL</h2>                                                                      |                             |
|                                                                                   | <b>Manufacturer Part Number:</b>                                                                                  | <a href="#">BC847A/SNVL</a> |
|  | <b>Manufacturer/Brand:</b>                                                                                        | <a href="#">Nexperia</a>    |
|                                                                                   | <b>Part of Description:</b>                                                                                       | TRANS NPN 45V 100MA SOT23   |
| <b>Datasheets:</b>                                                                |  <a href="#">BC847A/SNVL.pdf</a> |                             |
| <b>RoHS Status:</b>                                                               |  Lead free / RoHS                |                             |
| <b>Stock Condition:</b>                                                           | Compliant<br>New original, Stock Available.                                                                       |                             |
| <b>Ship From:</b>                                                                 | Hong Kong                                                                                                         |                             |
| <b>Shipment Way:</b>                                                              | DHL/Fedex/TNT/UPS/EMS                                                                                             |                             |
| <p>Image may be representation. See specs for product details.</p>                |                                                                                                                   |                             |

### Specifications

|                                             |                                                                                         |
|---------------------------------------------|-----------------------------------------------------------------------------------------|
| Part Number                                 | <a href="#">BC847A/SNVL</a>                                                             |
| Manufacturer                                | <a href="#">Nexperia</a>                                                                |
| Description                                 | TRANS NPN 45V 100MA SOT23                                                               |
| Category                                    | <a href="#">Discrete Semiconductor Products</a> > <a href="#">Transistors - Bipolar</a> |
| Part Status                                 | <a href="#">Require For Quote &amp; Check Stock</a>                                     |
| Voltage - Collector Emitter Breakdown (Max) | 45V                                                                                     |
| Vce Saturation (Max) @ Ib, Ic               | 400mV @ 5mA, 100mA                                                                      |
| Transistor Type                             | NPN                                                                                     |
| Supplier Device Package                     | TO-236AB                                                                                |
| Series                                      | Automotive, AEC-Q101                                                                    |
| Power - Max                                 | 250mW                                                                                   |
| Package / Case                              | TO-236-3, SC-59, SOT-23-3                                                               |
| Other Names                                 | 934660336235                                                                            |
| Operating Temperature                       | 150°C (TJ)                                                                              |
| Mounting Type                               | Surface Mount                                                                           |
| Moisture Sensitivity Level (MSL)            | 1 (Unlimited)                                                                           |
| Lead Free Status / RoHS Status              | Lead free / RoHS Compliant                                                              |
| Frequency - Transition                      | 100MHz                                                                                  |
| Detailed Description                        | Bipolar (BJT) Transistor NPN 45V 100mA 100MHz                                           |
| DC Current Gain (hFE) (Min) @ Ic, Vce       | 110 @ 2mA, 5V                                                                           |
| Current - Collector Cutoff (Max)            | 15nA (ICBO)                                                                             |
| Current - Collector (Ic) (Max)              | 100mA                                                                                   |

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| <p>In:</p>  <p><b>BC847AM</b><br/>NXP<br/>BC847AM NXP</p>                   |  <p><b>BC847A,235</b><br/>Nexperia USA Inc.<br/>TRANS NPN 45V 0.1A SOT23</p> |  <p><b>BC847AE6327HTSA1</b><br/>Infineon Technologies<br/>TRANS NPN 45V 0.1A SOT-23</p> |  <p><b>BC847A/SNR</b><br/>Nexperia<br/>TRANS NPN 45V 100MA SOT23</p> |
|  <p><b>BC847ALT1G</b><br/>ON Semiconductor<br/>TRANS NPN 45V 0.1A SOT23</p> |  <p><b>BC847A-7</b><br/>DIODES<br/>BC847A-7 DIODES</p>                       |  <p><b>BC847A-7-F</b><br/>Diodes Incorporated<br/>TRANS NPN 45V 0.1A SOT23-3</p>        |  <p><b>BC847AE6327</b><br/>Infineon<br/>BC847AE6327 Infineon</p>     |

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