



ST1S09PUR

|                     |                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------|
| Part Number:        | ST1S09PUR                                                                                                       |
| Manufacturer/Brand: | STMicroelectronics                                                                                              |
| Product description | IC REG BUCK ADJ 2A SYNC DFN6                                                                                    |
| Datasheets:         |  <a href="#">ST1S09PUR.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant    |
| Stock Condition     | 139051 pcs stock                                                                                                |
| Ship From           | Hong Kong                                                                                                       |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                           |

REQUEST FOR QUOTATION

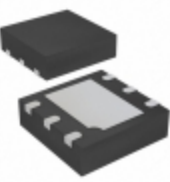
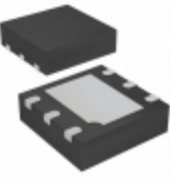
Specifications of ST1S09PUR

|                                  |                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ST1S09PUR                                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                                |
| DESCRIPTION                      | IC REG BUCK ADJ 2A SYNC DFN6                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                        |
| QUANTITY AVAILABLE               | 139051 pcs                                                                                                        |
| DATA SHEET                       |  <a href="#">ST1S09PUR.pdf</a> |
| VOLTAGE - OUTPUT (MIN/FIXED)     | 0.8V                                                                                                              |
| VOLTAGE - OUTPUT (MAX)           | 5.22V                                                                                                             |
| VOLTAGE - INPUT (MIN)            | 2.7V                                                                                                              |
| VOLTAGE - INPUT (MAX)            | 6V                                                                                                                |
| TOPOLOGY                         | Buck                                                                                                              |
| SYNCHRONOUS RECTIFIER            | Yes                                                                                                               |
| SUPPLIER DEVICE PACKAGE          | 6-DFN (3x3)                                                                                                       |
| SERIES                           | -                                                                                                                 |
| PACKAGING                        | Tape & Reel (TR)                                                                                                  |
| PACKAGE / CASE                   | 6-VDFN Exposed Pad                                                                                                |
| OUTPUT TYPE                      | Adjustable                                                                                                        |
| OUTPUT CONFIGURATION             | Positive                                                                                                          |
| OTHER NAMES                      | 497-6312-2                                                                                                        |
| OPERATING TEMPERATURE            | -30°C ~ 85°C (TJ)                                                                                                 |
| NUMBER OF OUTPUTS                | 1                                                                                                                 |
| MOUNTING TYPE                    | Surface Mount                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                        |
| FUNCTION                         | Step-Down                                                                                                         |
| FREQUENCY - SWITCHING            | 1.5MHz                                                                                                            |
| DETAILED DESCRIPTION             | Buck Switching Regulator IC Positive Adjustable 0.8V 1 Output 2A 6-VDFN Exposed Pad                               |
| CURRENT - OUTPUT                 | 2A                                                                                                                |
| BASE PART NUMBER                 | ST1S09                                                                                                            |

Related Tags

|                              |                              |                                  |
|------------------------------|------------------------------|----------------------------------|
| STMicroelectronics ST1S09PUR | ST1S09PUR Distributor        | ST1S09PUR Supplier               |
| ST1S09PUR Price              | ST1S09PUR Pictures           | ST1S09PUR Image                  |
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Related Products

|                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>ST1S10PUR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC REG BUCK ADJ 3A SYNC DFN8<br/>In stock: 57687 pcs<br/><div>RFQ</div></div>         |  <div><b>ST1S10PURDEMOBO</b><br/>Manufacturers: STMicroelectronics<br/>Description: DEMO BOARD FOR ST1S10PUR DFN8<br/>In stock: 3347 pcs<br/><div>RFQ</div></div> |
|  <div><b>ST1S09DEMOBO12</b><br/>Manufacturers: STMicroelectronics<br/>Description: BOARD DEMO FOR ST1S09<br/>In stock: 3792 pcs<br/><div>RFQ</div></div>            |  <div><b>ST1S10DEMOBOARD</b><br/>Manufacturers: STMicroelectronics<br/>Description: DEMO BOARD FOR ST1S10PUR<br/>In stock: 3824 pcs<br/><div>RFQ</div></div>      |
|  <div><b>ST1S10BPHR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC REG BUCK ADJ 3A SYNC 8SOIC<br/>In stock: 65519 pcs<br/><div>RFQ</div></div>       |  <div><b>ST1S09IPUR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC REG BUCK ADJ 2A SYNC DFN6D<br/>In stock: 152541 pcs<br/><div>RFQ</div></div>    |
|  <div><b>ST1S10PHRDEMOBO</b><br/>Manufacturers: STMicroelectronics<br/>Description: DEMO BOARD FOR ST1S10PHR PWRSO8<br/>In stock: 3600 pcs<br/><div>RFQ</div></div> |  <div><b>ST1S09IDEMOB033</b><br/>Manufacturers: STMicroelectronics<br/>Description: BOARD DEMO FOR ST1S09IPUR<br/>In stock: 4126 pcs<br/><div>RFQ</div></div>     |
|  <div><b>ST1S10PHR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC REG BUCK ADJ 3A SYNC PWRSO-8<br/>In stock: 120473 pcs<br/><div>RFQ</div></div>     |  <div><b>ST1S06PUR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC REG BUCK ADJ 1.5A SYNC DFN6<br/>In stock: 192892 pcs<br/><div>RFQ</div></div>    |
|  <div><b>ST1S09DEMOB033</b><br/>Manufacturers: STMicroelectronics<br/>Description: BOARD DEMO FOR ST1S09<br/>In stock: 4204 pcs<br/><div>RFQ</div></div>            |  <div><b>ST1S09IDEMOB012</b><br/>Manufacturers: STMicroelectronics<br/>Description: BOARD DEMO FOR ST1S09<br/>In stock: 3430 pcs<br/><div>RFQ</div></div>         |