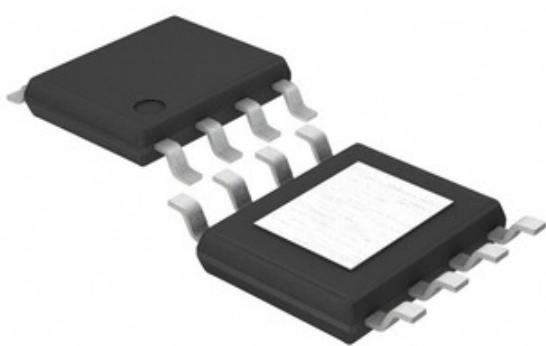




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STMicroelectronics



A5975D

|                     |                                                                                                                                                                                                  |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | A5975D                                                                                                                                                                                           |
| Manufacturer/Brand: | STMicroelectronics                                                                                                                                                                               |
| Product description | IC REG BUCK ADJ 3A 8SOIC                                                                                                                                                                         |
| Datasheets:         |  1.A5975D.pdf<br> 2.A5975D.pdf |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                     |
| Stock Condition     | 22364 pcs stock                                                                                                                                                                                  |
| Ship From           | Hong Kong                                                                                                                                                                                        |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                            |

REQUEST FOR QUOTATION

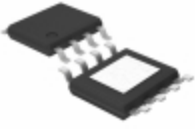
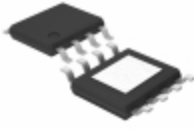
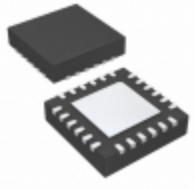
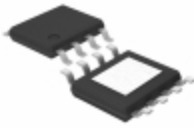
Specifications of A5975D

|                                  |                                                                                                                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | A5975D                                                                                                                                                                                               |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                   |
| DESCRIPTION                      | IC REG BUCK ADJ 3A 8SOIC                                                                                                                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                           |
| QUANTITY AVAILABLE               | 22364 pcs                                                                                                                                                                                            |
| DATA SHEET                       |  1.A5975D.pdf<br> 2.A5975D.pdf |
| VOLTAGE - OUTPUT (MIN/FIXED)     | 1.235V                                                                                                                                                                                               |
| VOLTAGE - OUTPUT (MAX)           | 35V                                                                                                                                                                                                  |
| VOLTAGE - INPUT (MIN)            | 4V                                                                                                                                                                                                   |
| VOLTAGE - INPUT (MAX)            | 36V                                                                                                                                                                                                  |
| TOPOLOGY                         | Buck                                                                                                                                                                                                 |
| SYNCHRONOUS RECTIFIER            | No                                                                                                                                                                                                   |
| SUPPLIER DEVICE PACKAGE          | 8-HSOP-EP                                                                                                                                                                                            |
| SERIES                           | Automotive, AEC-Q100                                                                                                                                                                                 |
| PACKAGING                        | Tube                                                                                                                                                                                                 |
| PACKAGE / CASE                   | 8-SOIC (0.154", 3.90mm Width) Exposed Pad                                                                                                                                                            |
| OUTPUT TYPE                      | Adjustable                                                                                                                                                                                           |
| OUTPUT CONFIGURATION             | Positive                                                                                                                                                                                             |
| OTHER NAMES                      | 497-16423<br>A5975D-ND                                                                                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 150°C (TJ)                                                                                                                                                                                   |
| NUMBER OF OUTPUTS                | 1                                                                                                                                                                                                    |
| MOUNTING TYPE                    | Surface Mount                                                                                                                                                                                        |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                           |
| FUNCTION                         | Step-Down                                                                                                                                                                                            |
| FREQUENCY - SWITCHING            | 250kHz                                                                                                                                                                                               |
| DETAILED DESCRIPTION             | Buck Switching Regulator IC Positive Adjustable 1.235V 1 Output 3A 8-SOIC (0.154", 3.90mm Width) Exposed Pad                                                                                         |
| CURRENT - OUTPUT                 | 3A                                                                                                                                                                                                   |
| BASE PART NUMBER                 | A5975                                                                                                                                                                                                |

Related Tags

|                           |                             |                                |
|---------------------------|-----------------------------|--------------------------------|
| STMicroelectronics A5975D | A5975D Distributor          | A5975D Supplier                |
| A5975D Price              | A5975D Pictures             | A5975D Image                   |
| A5975D PDF Datasheet      | A5975D Download Datasheet   | A5975D Datasheet               |
| A5975D Stock              | Buy A5975D                  | Buy STMicroelectronics A5975D  |
| STMicroelectronics A5975D | STMicroelectronics Supplier | STMicroelectronics Distributor |
| STMicroelectronics A5975D |                             |                                |

Related Products

|                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div><b>A5979GLPTR-T</b><br/>Manufacturers: Allegro MicroSystems, LLC.<br/>Description: MICROSTEPPING DMOS DRIVER WITH T<br/>In stock: 71009 pcs</div><div>RFQ</div></div> | <div><div><b>A5974D</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC REG BUCK ADJ 2.5A 8SOIC<br/>In stock: 26011 pcs</div><div>RFQ</div></div>                     |
| <div><div><b>A5975DTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC REG BUCK ADJ 3A 8SOIC<br/>In stock: 47915 pcs</div><div>RFQ</div></div>                     | <div><div><b>A5975ADTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC REG BUCK ADJ 2.5A 8SOIC<br/>In stock: 45098 pcs</div><div>RFQ</div></div>                  |
| <div><div><b>A5975AD</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC REG BUCK ADJ 2.5A 8SOIC<br/>In stock: 24449 pcs</div><div>RFQ</div></div>                    | <div><div><b>A5984GESTR-T</b><br/>Manufacturers: Allegro MicroSystems, LLC.<br/>Description: IC MOTOR DRIVER STEP/DIR 24QFN<br/>In stock: 67146 pcs</div><div>RFQ</div></div>   |
| <div><div><b>A5974DTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC REG BUCK ADJ 2.5A 8SOIC<br/>In stock: 43089 pcs</div><div>RFQ</div></div>                   | <div><div><b>A5974ADTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC REG BUCK ADJ 2A 8SOIC<br/>In stock: 47128 pcs</div><div>RFQ</div></div>                    |
| <div><div><b>A5976GLPTR-T</b><br/>Manufacturers: Allegro MicroSystems, LLC.<br/>Description: MICROSTEPPING DMOS DRIVER WITH T<br/>In stock: 29390 pcs</div><div>RFQ</div></div> | <div><div><b>A5984GETTR-T</b><br/>Manufacturers: Allegro MicroSystems, LLC.<br/>Description: 40V, 2A (.65) STEPPER MOTOR DRIV<br/>In stock: 93844 pcs</div><div>RFQ</div></div> |
| <div><div><b>A5977GLPTR-T</b><br/>Manufacturers: Allegro MicroSystems, LLC.<br/>Description: MICROSTEPPING DMOS DRIVER WITH T<br/>In stock: 63181 pcs</div><div>RFQ</div></div> | <div><div><b>A5974AD</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC REG BUCK ADJ 2A 8SOIC<br/>In stock: 44862 pcs</div><div>RFQ</div></div>                      |