



Allegro MicroSystems, LLC.

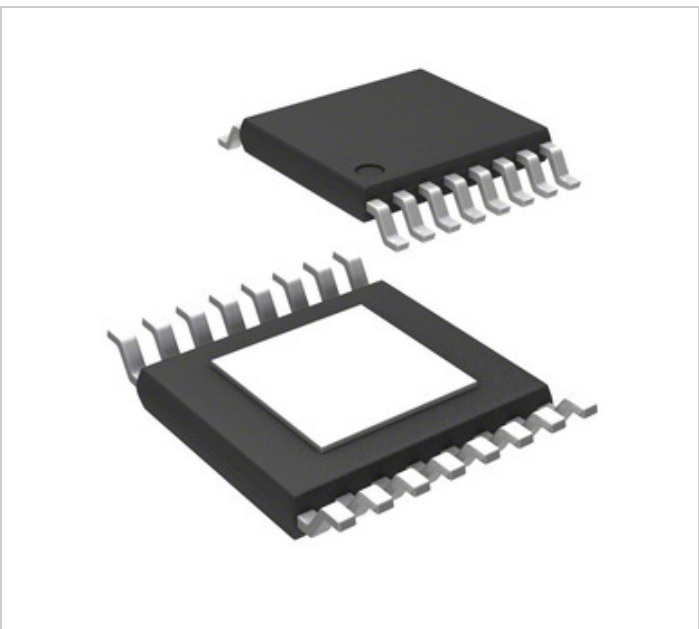


Image may be representation. See specifications for product details.

A8589KLPTR-T

|                     |                                                                                                                    |
|---------------------|--------------------------------------------------------------------------------------------------------------------|
| Part Number:        | A8589KLPTR-T                                                                                                       |
| Manufacturer/Brand: | Allegro MicroSystems, LLC.                                                                                         |
| Product description | IC REG BUCK ADJ 2.5A 16TSSOP                                                                                       |
| Datasheets:         |  <a href="#">A8589KLPTR-T.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant       |
| Ship From           | Hong Kong                                                                                                          |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                              |

REQUEST FOR QUOTATION

Specifications of A8589KLPTR-T

|                                  |                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | A8589KLPTR-T                                                                                                         |
| MANUFACTURER                     | Allegro MicroSystems, LLC.                                                                                           |
| DESCRIPTION                      | IC REG BUCK ADJ 2.5A 16TSSOP                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                           |
| DATA SHEET                       |  <a href="#">A8589KLPTR-T.pdf</a> |
| VOLTAGE - OUTPUT (MIN/FIXED)     | 0.8V                                                                                                                 |
| VOLTAGE - OUTPUT (MAX)           | 10V                                                                                                                  |
| VOLTAGE - INPUT (MIN)            | 4V                                                                                                                   |
| VOLTAGE - INPUT (MAX)            | 35V                                                                                                                  |
| TOPOLOGY                         | Buck                                                                                                                 |
| SYNCHRONOUS RECTIFIER            | No                                                                                                                   |
| SUPPLIER DEVICE PACKAGE          | 16-eTSSOP-EP                                                                                                         |
| SERIES                           | -                                                                                                                    |
| PACKAGING                        | Tape & Reel (TR)                                                                                                     |
| PACKAGE / CASE                   | 16-TSSOP (0.173", 4.40mm Width) Exposed Pad                                                                          |
| OUTPUT TYPE                      | Adjustable                                                                                                           |
| OUTPUT CONFIGURATION             | Positive                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                   |
| NUMBER OF OUTPUTS                | 1                                                                                                                    |
| MOUNTING TYPE                    | Surface Mount                                                                                                        |
| MOISTURE SENSITIVITY LEVEL (MSL) | 2 (1 Year)                                                                                                           |
| MANUFACTURER STANDARD LEAD TIME  | 16 Weeks                                                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                           |
| FUNCTION                         | Step-Down                                                                                                            |
| FREQUENCY - SWITCHING            | 250kHz ~ 2.4MHz                                                                                                      |
| DETAILED DESCRIPTION             | Buck Switching Regulator IC Positive Adjustable 0.8V 1 Output 2.5A 16-TSSOP (0.173", 4.40mm Width) Exposed Pad       |
| CURRENT - OUTPUT                 | 2.5A                                                                                                                 |

Related Tags

|                                         |                                       |                                             |
|-----------------------------------------|---------------------------------------|---------------------------------------------|
| Allegro MicroSystems, LLC. A8589KLPTR-T | A8589KLPTR-T Distributor              | A8589KLPTR-T Supplier                       |
| A8589KLPTR-T Price                      | A8589KLPTR-T Pictures                 | A8589KLPTR-T Image                          |
| A8589KLPTR-T PDF Datasheet              | A8589KLPTR-T Download Datasheet       | A8589KLPTR-T Datasheet                      |
| A8589KLPTR-T Stock                      | Buy A8589KLPTR-T                      | Buy Allegro MicroSystems, LLC. A8589KLPTR-T |
| Allegro MicroSystems, LLC. A8589KLPTR-T | Allegro MicroSystems, LLC. Supplier   | Allegro MicroSystems, LLC. Distributor      |
| Allegro MicroSystems, LLC. A8589KLPTR-T | Allegro Microsystems Inc A8589KLPTR-T | Allegro MicroSystems, LLC A8589KLPTR-T      |

Related Products

|                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>A8586KLJTR-T-2</b><br/>Manufacturers: Allegro MicroSystems, LLC.<br/>Description: IC REG BUCK ADJ 3.5A 8SOIC<br/>In stock: Out stock</p> <p>RFQ</p>       |  <p><b>A8586KEJTR-T</b><br/>Manufacturers: Allegro MicroSystems, LLC.<br/>Description: IC REG BUCK ADJ 3.5A 10DFN<br/>In stock: Out stock</p> <p>RFQ</p>         |
|  <p><b>A8586KLJTR-T</b><br/>Manufacturers: Allegro MicroSystems, LLC.<br/>Description: IC REG BUCK ADJ 3.5A 8SOIC<br/>In stock: Out stock</p> <p>RFQ</p>         |  <p><b>A8591KEJTR-J-1</b><br/>Manufacturers: Allegro MicroSystems, LLC.<br/>Description: IC REG BUCK 3.3V 2A 10DFN<br/>In stock: 871 pcs</p> <p>RFQ</p>          |
|  <p><b>A8585CLKTR-T-2</b><br/>Manufacturers: Allegro MicroSystems, LLC.<br/>Description: WIDE INPUT VOLTAGE 2A BUCK REGUL<br/>In stock: Out stock</p> <p>RFQ</p> |  <p><b>A8585CLKTR-T</b><br/>Manufacturers: Allegro MicroSystems, LLC.<br/>Description: IC REG BUCK 5V 2A 10SOIC<br/>In stock: Out stock</p> <p>RFQ</p>           |
|  <p><b>A8590KLPTR-T</b><br/>Manufacturers: Allegro MicroSystems, LLC.<br/>Description: IC REG BUCK ADJ 3A 16TSSOP<br/>In stock: Out stock</p> <p>RFQ</p>         |  <p><b>A8591KEJTR-J</b><br/>Manufacturers: Allegro MicroSystems, LLC.<br/>Description: IC REG BUCK 5V 2A 10DFN<br/>In stock: Out stock</p> <p>RFQ</p>            |
|  <p><b>A8586KLJTR-T-1</b><br/>Manufacturers: Allegro MicroSystems, LLC.<br/>Description: IC REG BUCK ADJ 3.5A 8SOIC<br/>In stock: Out stock</p> <p>RFQ</p>       |  <p><b>A8585CLKTR-T-3</b><br/>Manufacturers: Allegro MicroSystems, LLC.<br/>Description: WIDE INPUT VOLTAGE 2A BUCK REGUL<br/>In stock: Out stock</p> <p>RFQ</p> |
|  <p><b>A8587KEJTR-T</b><br/>Manufacturers: Allegro MicroSystems, LLC.<br/>Description: IC REG BUCK ADJ 2A 10DFN<br/>In stock: Out stock</p> <p>RFQ</p>           |  <p><b>A8585CLKTR-T-1</b><br/>Manufacturers: Allegro MicroSystems, LLC.<br/>Description: WIDE INPUT VOLTAGE 2A BUCK REGUL<br/>In stock: Out stock</p> <p>RFQ</p> |