

Image may be representation.  
See specifications for product details.



## A5975AD

Manufacturer Part Number	<b>A5975AD</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-A5975AD
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC REG BUCK ADJ 2.5A 8HSOP
Package	8-SOIC (0.154', 3.90mm Width) Exposed Pad
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

A5975AD - STMicroelectronics.New Original in Stock. Download Linear Technology A5975AD datasheet/specifications on AllelcoElec.com.  
Request a quote for A5975AD, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

A5975AD Tech Specifications  
A5975AD - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tube
Voltage - Output (Min/Fixed)	1.235V	Output Type	Adjustable
Voltage - Output (Max)	35V	Output Configuration	Positive
Voltage - Input (Min)	4V	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Input (Max)	36V	Number of Outputs	1
Topology	Buck	Mounting Type	Surface Mount
Synchronous Rectifier	No	Function	Step-Down
Supplier Device Package	8-HSOP	Frequency - Switching	500kHz
Series	Automotive, AEC-Q100	Current - Output	2.5A
Package / Case	8-SOIC (0.154', 3.90mm Width) Exposed Pad	Base Product Number	A5975

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics A5975AD

Product Attribute				
Part Number	A5975AD	A5973ADTR	A5974AD	A5974D
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Current - Output	2.5A	1.5A	2A	2.5A
Supplier Device Package	8-HSOP	8-HSOP	8-HSOP	8-HSOP-EP
Voltage - Output (Max)	35V	36V	35V	35V
Base Product Number	A5975	A5973	A5974	A5974
Voltage - Output (Min/Fixed)	1.235V	1.235V	1.235V	1.235V
Package / Case	8-SOIC (0.154', 3.90mm Width) Exposed Pad	8-SOIC (0.154', 3.90mm Width) Exposed Pad	8-SOIC (0.154', 3.90mm Width) Exposed Pad	8-SOIC (0.154', 3.90mm Width) Exposed Pad
Function	Step-Down	Step-Down	Step-Down	Step-Down
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Frequency - Switching	500kHz	500kHz	500kHz	250kHz
Output Type	Adjustable	Adjustable	Adjustable	Adjustable
Synchronous Rectifier	No	No	No	No
Package	Tube	Tape & Reel (TR)	Tube	Tube
Voltage - Input (Min)	4V	4V	4V	4V
Topology	Buck	Buck	Buck	Buck
Series	Automotive, AEC-Q100	Automotive, AEC-Q100	Automotive, AEC-Q100	Automotive, AEC-Q100
Output Configuration	Positive	Positive	Positive	Positive
Voltage - Input (Max)	36V	36V	36V	36V
Number of Outputs	1	1	1	1

### A5975AD Datasheet PDF

Download A5975AD pdf datasheets and STMicroelectronics documentation for A5975AD - STMicroelectronics.

#### PCN Design/Specification

Cylindrical Battery Holders.pdf

#### HTML Datasheet

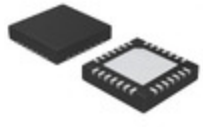
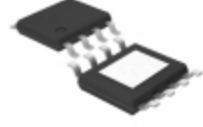
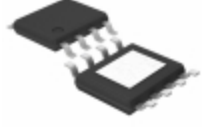
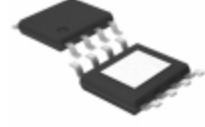
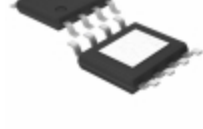
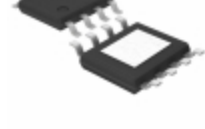
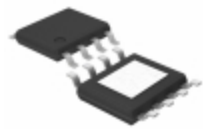
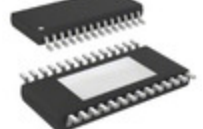
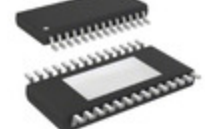
Cylindrical Battery Holders.pdf

#### PCN Obsolescence/ EOL



## Customers Also Interested in

### Recommended Products

**A5985GETTR-T**Allegro MicroSystems  
IC MTR DRVR BIPOLAR 8-40V 28QFN**A5973ADTR**STMicroelectronics  
IC REG BUCK ADJ 1.5A 8HSOP**A5974AD**STMicroelectronics  
IC REG BUCK ADJUSTABLE 2A 8HSOP**A5988GEVTR-T**Allegro MicroSystems  
IC MTR DRVR BIPOLAR 8V-40V 36QFN**A5974D**STMicroelectronics  
IC REG BUCK ADJ 2.5A 8HSOP**A5975D**STMicroelectronics  
IC REG BUCK ADJUSTABLE 3A 8HSOP**A5989GEVTR-T**Allegro MicroSystems  
IC MOTOR DRIVER BIPOLAR 8V-40V**A5973D**STMicroelectronics  
IC REG BUCK ADJUSTABLE 2A 8HSOP**A5976GLPTR-T**Allegro MicroSystems  
IC MTR DRV BIPOLAR 3-5.5V 28TSSOP**A5974DTR**STMicroelectronics  
IC REG BUCK ADJ 2.5A 8HSOP**A5972D013TR**STMicroelectronics  
IC REG BUCK ADJUSTABLE 1.5A 8SO**A5973D013TR**STMicroelectronics  
IC REG BUCK ADJUSTABLE 2A 8HSOP**A5975ADTR**STMicroelectronics  
IC REG BUCK ADJ 2.5A 8HSOP**A5972D**STMicroelectronics  
IC REG BUCK ADJUSTABLE 1.5A 8SO**A5984GLPTR-T**Allegro MicroSystems  
IC MTR DRV BIPOLAR 8-40V 24TSSOP**A5977GLPTR-T**Allegro MicroSystems  
IC MTR DRV BIPOLAR 3-5.5V 28TSSOP**A5973AD**STMicroelectronics  
IC REG BUCK ADJ 1.5A 8HSOP**A5979GLPTR-T**Allegro MicroSystems  
IC MTR DRV BIPOLAR 3-5.5V 28TSSOP

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Alleco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

### Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

**Common Countries Logistic Time Reference**

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

**DHL & FedEx Shipment Charges Reference**

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

### Payment Support

The payment method can be chosen from the methods shown below:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -



Efficient Supply Management



Cost-Saving Procurement



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Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@alleco.com

### Certifications & Memberships



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