

Image may be representation.  
See specifications for product details.



## AST1S31HF

Manufacturer Part Number	<b>AST1S31HF</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-AST1S31HF
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC REG BUCK ADJ 3A 8VDFPN
Package	8-VDFN Exposed Pad
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

AST1S31HF - STMicroelectronics.New Original in Stock. Download Linear Technology AST1S31HF datasheet/specifications on AllelcoElec.com.  
Request a quote for AST1S31HF, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

AST1S31HF Tech Specifications

AST1S31HF - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tape & Reel (TR)
Voltage - Output (Min/Fixed)	0.8V	Output Type	Adjustable
Voltage - Output (Max)	4V	Output Configuration	Positive
Voltage - Input (Min)	2.8V	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Input (Max)	4V	Number of Outputs	1
Topology	Buck	Mounting Type	Surface Mount
Synchronous Rectifier	Yes	Function	Step-Down
Supplier Device Package	8-VDFPN (3x3)	Frequency - Switching	2.3MHz
Series	Automotive, AEC-Q100	Current - Output	3A
Package / Case	8-VDFN Exposed Pad	Base Product Number	AST1S31

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics AST1S31HF

Product Attribute				
Part Number	AST1S31HF	AST1S31PUR	AST16A60X1102	AST1300A1-GP
Manufacturer	STMicroelectronics	STMicroelectronics	COILANK	ASPEED
Voltage - Input (Min)	2.8V	2.8V	-	-
Output Type	Adjustable	Adjustable	-	-
Topology	Buck	Buck	-	-
Voltage - Output (Max)	4V	4V	-	-
Package / Case	8-VDFN Exposed Pad	8-VDFN Exposed Pad	-	-
Voltage - Input (Max)	4V	4V	-	-
Output Configuration	Positive	Positive	-	-
Frequency - Switching	2.3MHz	1.5MHz	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	-	-
Synchronous Rectifier	Yes	Yes	-	-
Series	Automotive, AEC-Q100	-	-	-
Supplier Device Package	8-VDFPN (3x3)	8-VDFPN (3x3)	-	-
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-	-
Voltage - Output (Min/Fixed)	0.8V	0.8V	-	-
Mounting Type	Surface Mount	Surface Mount	-	-
Current - Output	3A	3A	-	-
Number of Outputs	1	1	-	-
Base Product Number	AST1S31	AST1S31	-	-
Function	Step-Down	Step-Down	-	-

### AST1S31HF Datasheet PDF

Download AST1S31HF pdf datasheets and STMicroelectronics documentation for AST1S31HF - STMicroelectronics.

#### PCN Packaging












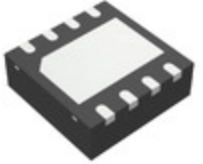






2.73KHz.pdf

#### HTML Datasheet

Cylindrical Battery Holders.pdf

### Customers Also Interested in

## Recommended Products

 NO PICTURE	 NO PICTURE		 NO PICTURE	 NO PICTURE	 NO PICTURE
<b>AST16A60X1102</b> COILANK	<b>AST1300A1-GP</b> ASPEED	<b>AST2000</b> Altera (Intel)	<b>AST2050</b> ASPEED	<b>AST1500</b> ASPEED	<b>AST2001A/B</b> AST
 NO PICTURE	 NO PICTURE	 NO PICTURE	 NO PICTURE	 NO PICTURE	
<b>AST2001A/BMAH</b> AST	<b>AST1510A1-GP</b> ASPEED	<b>AST1520A2-GP</b> ASPEED	<b>AST1100A3-GP</b> ASPEED	<b>AST1250A1-GP</b> ASPEED	<b>AST1S31PUR</b> STMicroelectronics IC REG BUCK ADJ 3A 8VDFPN
 NO PICTURE	 NO PICTURE	 NO PICTURE	 NO PICTURE	 NO PICTURE	 NO PICTURE
<b>AST2001A</b> AST	<b>AST1400A1-GP</b> ASPEED	<b>AST1100A3-GP-V</b> ASPEED	<b>AST2050A3-GP</b> ASPEED	<b>AST2100</b> ASPEEO	<b>AST1500A3-GP</b> ASPEE

## 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 Allelco 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.

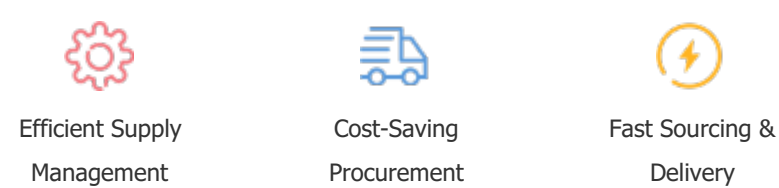
Contact us if you have any questions.

### Payment Support

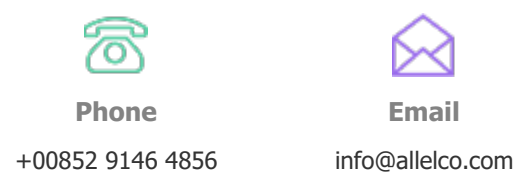
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



View More