



Image may be representation.  
See specifications for product details.



## NSV45020AT1G

Manufacturer Part Number	<b>NSV45020AT1G</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-NSV45020AT1G
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC CURRENT REGULATOR 10% SOD123
Package	SOD-123
Data sheet	<b>NSI45020AT1G.pdf</b> <b>NSI45020AT1G.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

NSV45020AT1G - onsemi.New Original in Stock. Download Linear Technology NSV45020AT1G datasheet/specifications on AllelcoElec.com.  
Request a quote for NSV45020AT1G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

NSV45020AT1G Tech Specifications

NSV45020AT1G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-55°C ~ 150°C
Voltage - Input	45V	Mounting Type	Surface Mount
Supplier Device Package	SOD-123	Function	Current Regulator
Series	Automotive, AEC-Q101	Current - Output	20mA
Sensing Method	High/Low-Side	Base Product Number	NSV45020
Package / Case	SOD-123	Accuracy	±10%
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NSV45020AT1G

Product Attribute				
Part Number	NSV45020AT1G	<b>NSV45025AZT1G</b>	<b>NSV45035JZT1G</b>	<b>NSV45090JDT4G</b>
Manufacturer	onsemi	onsemi	onsemi	onsemi
Supplier Device Package	SOD-123	SOT-223 (TO-261)	SOT-223 (TO-261)	DPAK
Voltage - Input	45V	45V	45V	45V
Base Product Number	NSV45020	NSV45025	NSV45035	NSV45090
Function	Current Regulator	Current Regulator	Current Regulator	Current Regulator
Sensing Method	High/Low-Side	High/Low-Side	High/Low-Side	High/Low-Side
Operating Temperature	-55°C ~ 150°C	-55°C ~ 150°C	-55°C ~ 150°C	-55°C ~ 175°C
Series	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Accuracy	±10%	±10%	±15%	±15%
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	SOD-123	TO-261-4, TO-261AA	TO-261-4, TO-261AA	TO-252-3, DPak (2 Leads + Tab), SC-63
Current - Output	20mA	25mA	70mA	160mA

### NSV45020AT1G Datasheet PDF

Download NSV45020AT1G pdf datasheets and onsemi documentation for NSV45020AT1G - onsemi.

#### Datasheets

[NSI45020AT1G.pdf](#)

#### Environmental Information

[onsemi RoHS.pdf](#)

[Material Declaration NSV45020AT1G.pdf](#)

#### HTML Datasheet

[NSI45020AT1G.pdf](#)

#### PCN Assembly/Origin

[SOD123 CCR Parts 14/Dec/2022.pdf](#)

### Customers Also Interested in

#### Recommended Products



**NSV40200LT1G**  
onsemi  
TRANS PNP 40V 2A SOT23-3



**NSV40301MZ4T1G**  
onsemi  
TRANS NPN 40V 3A SOT223

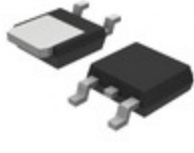


**NSV40300MZ4T1G**  
onsemi  
TRANS PNP 40V 3A SOT223

**NSV60601MZ4T1G**  
onsemi  
TRANS NPN 60V 6A SOT223

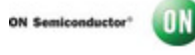


**NSV60200LT1G**  
onsemi  
TRANS PNP 60V 2A SOT23-3



**NSV50350ADT4G**  
onsemi  
IC CURRENT REGULATOR 10% DPAK

**NSV60201LT1G**  
onsemi  
TRANS NPN 60V 2A SOT23-3



**NSV30100LT1G**  
onsemi  
NSV30100 - LOW VCE(SAT)  
TRANSIST



**NSV60600MZ4T1G**  
onsemi  
TRANS PNP 60V 6A SOT223

**NSV40302PDR2G**  
onsemi  
TRANS NPN/PNP 40V 3A 8SOIC



**NSV45025AZT1G**  
onsemi  
IC CURRENT REGULATOR 10%  
SOT223



**NSV40501UW3T2G**  
onsemi  
TRANS NPN 40V 5A 3WDFN

**NSV20201LT1G**  
onsemi  
TRANS NPN 20V 2A SOT23-3



**NSV45035JZT1G**  
onsemi  
IC CURRENT REGULATOR 15%  
SOT223



**NSV60600MZ4T3G**  
onsemi  
TRANS PNP 60V 6A SOT223

**NSV40201LT1G**  
onsemi  
TRANS NPN 40V 2A SOT23-3



**NSV45090JDT4G**  
onsemi  
IC CURRENT REGULATOR 15% DPAK



**NSV45020JZT1G**  
onsemi  
IC CURRENT REGULATOR 15%  
SOT223

## 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 -

- Efficient Supply Management
- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

- Phone  
+00852 9146 4856
- Email  
info@allelco.com

## Certifications & Memberships



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### Contact us

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