

Image may be representation.  
See specifications for product details.



## NCP380HMU05AATBG

Manufacturer Part Number	<b>NCP380HMU05AATBG</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-NCP380HMU05AATBG
ECAD Model	Request Free CAD Models
Parts Description	IC PWR SWITCH P-CHAN 1:1 6UDFN
Package	6-UDFN Exposed Pad
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
	<b>NCP/NCV380.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

NCP380HMU05AATBG - onsemi.New Original in Stock. Download Linear Technology NCP380HMU05AATBG datasheet/specifications on AllelcoElec.com.  
Request a quote for NCP380HMU05AATBG, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

NCP380HMU05AATBG Tech Specifications

NCP380HMU05AATBG - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Output Configuration	High Side
Voltage - Supply (Vcc/Vdd)	Not Required	Operating Temperature	-40°C ~ 85°C (TA)
Voltage - Load	2.5V ~ 5.5V	Number of Outputs	1
Switch Type	General Purpose	Mounting Type	Surface Mount
Supplier Device Package	6-UDFN (2x2)	Interface	On/Off
Series	-	Input Type	Non-Inverting
Rds On (Typ)	55mOhm	Features	Slew Rate Controlled, Status Flag
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), UVLO
Package / Case	6-UDFN Exposed Pad	Current - Output (Max)	500mA
Package	Tape & Reel (TR)	Base Product Number	NCP380
Output Type	P-Channel		

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NCP380HMU05AATBG

Product Attribute				
Part Number	NCP380HMU05AATBG	<b>NCP380HMU20AATBG</b>	<b>NCP380HMU10AATBG</b>	<b>NCP380LMU05AATBG</b>
Manufacturer	onsemi	onsemi	onsemi	onsemi
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Output Type	P-Channel	P-Channel	P-Channel	P-Channel
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Supplier Device Package	6-UDFN (2x2)	6-UDFN (2x2)	6-UDFN (2x2)	6-UDFN (2x2)
Voltage - Load	2.5V ~ 5.5V	2.5V ~ 5.5V	2.5V ~ 5.5V	2.5V ~ 5.5V
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Fault Protection	Current Limiting (Fixed), UVLO	Current Limiting (Fixed), UVLO	Current Limiting (Fixed), UVLO	Current Limiting (Fixed), UVLO
Output Configuration	High Side	High Side	High Side	High Side
Package / Case	6-UDFN Exposed Pad	6-UDFN Exposed Pad	6-UDFN Exposed Pad	6-UDFN Exposed Pad
Interface	On/Off	On/Off	On/Off	On/Off
Voltage - Supply (Vcc/Vdd)	Not Required	Not Required	Not Required	Not Required
Current - Output (Max)	500mA	2A	1A	500mA
Features	Slew Rate Controlled, Status Flag	Slew Rate Controlled, Status Flag	Slew Rate Controlled, Status Flag	Slew Rate Controlled, Status Flag
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Ratio - Input:Output	1:1	1:1	1:1	1:1
Rds On (Typ)	55mOhm	55mOhm	55mOhm	55mOhm
Base Product Number	NCP380	NCP380	NCP380	NCP380
Series	-	-	-	-
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Number of Outputs	1	1	1	1

### NCP380HMU05AATBG Datasheet PDF

Download NCP380HMU05AATBG pdf datasheets and onsemi documentation for NCP380HMU05AATBG - onsemi.

#### Datasheets

[Cylindrical Battery Holders.pdf](#)

#### Environmental Information

[onsemi RoHS.pdf](#)

[onsemi REACH.pdf](#)

[Material Declaration NCP380HMU05AATBG.pdf](#)

## PCN Packaging

 2.73KHz.pdf

## PCN Assembly/Origin

 Wafer Fab Change 15/Feb/2023.pdf

## PCN Obsolescence/ EOL

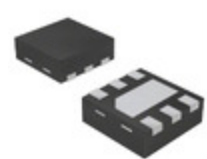
 Cylindrical Battery Holders.pdf

## HTML Datasheet

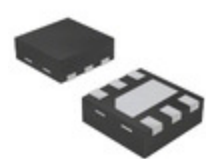
 NCP/NCV380.pdf

## Customers Also Interested in

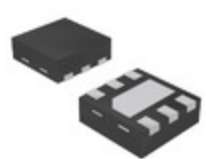
### Recommended Products



**NCP380HMU20AATBG**  
onsemi  
IC PWR SWITCH P-CHAN 1:1 6UDFN



**NCP380HMU10AATBG**  
onsemi  
IC PWR SWITCH P-CHAN 1:1 6UDFN



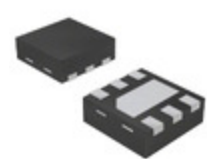
**NCP380LMU05AATBG**  
onsemi  
IC PWR SWITCH P-CHAN 1:1 6UDFN



**NCP380HSNAJAAT1G**  
onsemi  
IC PWR SWITCH P-CHAN 1:1 6TSOP



**NCP380HSN05AAT1G**  
onsemi  
IC PWR SWITCH P-CHAN 1:1 5TSOP



**NCP380HMUAJAATBG**  
onsemi  
IC PWR SWITCH P-CHAN 1:1 6UDFN



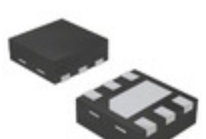
**NCP373MU04TXG**  
onsemi  
IC CTRL OVP POS & NEG 12-LLGA



**NCP367DPMUEETBG**  
onsemi  
IC VOLT PROTECTRION OCP OVP 8DFN



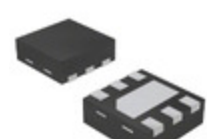
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IC VOLT PROTECTION OCP OVP 8DFN



**NCP380LMU15AATBG**  
onsemi  
IC CURRENT LIMIT SWITCH 6-UDFN



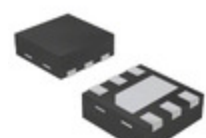
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onsemi  
TVS DEVICE MIXED SC74



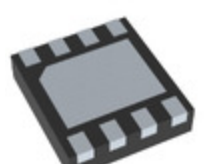
**NCP380HMU15AATBG**  
onsemi  
IC PWR SWITCH P-CHAN 1:1 6UDFN



**NCP380HSN10AAT1G**  
onsemi  
IC PWR SWITCH P-CHAN 1:1 5TSOP



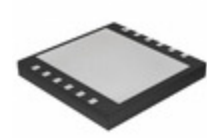
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IC CURRENT LIMIT SWITCH 6-UDFN



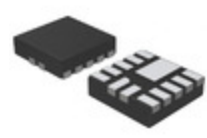
**NCP367DPMUELTBG**  
onsemi  
IC VOLT PROTECTRION OCP OVP 8DFN



**NCP367DPMUECTBG**  
onsemi  
IC VOLT PROTECTRION OCP OVP 8DFN



**NCP374MU075TXG**  
onsemi  
TVS DEVICE MIXED 12TLLGA



**NCP370MUAITXG**  
onsemi  
IC PWR OVP POS/NEG N-CH 12LLGA

## 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



[View More](#)

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