



Image may be representation.
See specifications for product details.

NCP3170ADR2G

Manufacturer Part Number	NCP3170ADR2G
Manufacturer	onsemi
Allelco Part Number	32D-NCP3170ADR2G
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC REG BUCK ADJUSTABLE 3A 8SOIC
Package	8-SOIC (0.154', 3.90mm Width)
Data sheet	NCP3170.pdf
RoHs Status	ROHS3 Compliant

Get a Quote



NCP3170ADR2G - onsemi.New Original in Stock. Download Linear Technology NCP3170ADR2G datasheet/specifications on AllelcoElec.com.
Request a quote for NCP3170ADR2G, please send us email: info@allelco.com

Specifications

NCP3170ADR2G Tech Specifications

NCP3170ADR2G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package	Tape & Reel (TR)
Voltage - Output (Min/Fixed)	0.8V	Output Type	Adjustable
Voltage - Output (Max)	17.28V	Output Configuration	Positive
Voltage - Input (Min)	4.5V	Operating Temperature	-40°C ~ 85°C (TA)
Voltage - Input (Max)	18V	Number of Outputs	1
Topology	Buck	Mounting Type	Surface Mount
Synchronous Rectifier	Both	Function	Step-Down
Supplier Device Package	8-SOIC	Frequency - Switching	500kHz
Series	-	Current - Output	3A
Package / Case	8-SOIC (0.154', 3.90mm Width)	Base Product Number	NCP3170

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NCP3170ADR2G

Product Attribute				
Part Number	NCP3170ADR2G	NCP3230MNTXG	NCP3155ADR2G	NCP3163BPWG
Manufacturer	onsemi	onsemi	onsemi	onsemi
Supplier Device Package	8-SOIC	40-QFN (6x6)	8-SOIC	16-SOIC
Current - Output	3A	30A	3A	3.4A (Switch)
Package / Case	8-SOIC (0.154', 3.90mm Width)	40-VFQFN Exposed Pad	8-SOIC (0.154', 3.90mm Width)	16-SOIC (0.295', 7.50mm Width) Exposed Pad
Series	-	-	-	-
Voltage - Output (Min/Fixed)	0.8V	0.6V	0.8V	1.25V
Voltage - Input (Max)	18V	18V	24V	40V
Number of Outputs	1	1	1	1
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Synchronous Rectifier	Both	Yes	Yes	No
Output Type	Adjustable	Adjustable	Adjustable	Adjustable
Function	Step-Down	Step-Down	Step-Down	Step-Up, Step-Down
Topology	Buck	Buck	Buck	Buck, Boost
Voltage - Input (Min)	4.5V	4.5V	4.7V	2.5V
Base Product Number	NCP3170	NCP3230	NCP3155	NCP3163
Frequency - Switching	500kHz	500kHz	500kHz	50kHz ~ 300kHz
Output Configuration	Positive	Positive	Positive	Positive or Negative
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tube
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 90°C (TA)	-40°C ~ 125°C (TJ)	-40°C ~ 85°C (TA)
Voltage - Output (Max)	17.28V	5.4V	20.16V	40V (Switch)

NCP3170ADR2G Datasheet PDF

Download NCP3170ADR2G pdf datasheets and onsemi documentation for NCP3170ADR2G - onsemi.

Datasheets

[NCP3170.pdf](#)

Environmental Information

[onsemi RoHS.pdf](#)

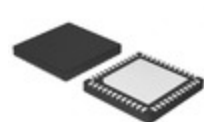
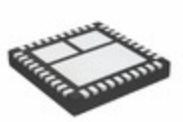





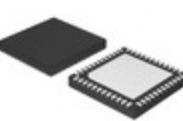


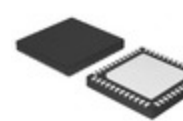

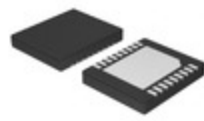
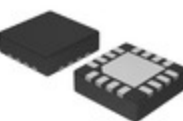



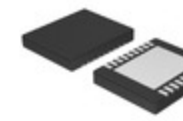
[onsemi REACH.pdf](#)

[Material Declaration NCP3170ADR2G.pdf](#)

PCN Obsolescence/ EOL

Customers Also Interested in

Recommended Products

 NCP3218MNR2G onsemi IC REG CTRLR IMVP-6.5 1OUT 48QFN	 NCP3230MNTXG onsemi IC REG BUCK ADJUSTABLE 30A 40QFN	 NCP3163PW AMI Semiconductor/onsemi	 NCP3218 AMI Semiconductor/onsemi	 NCP3163BPW AMI Semiconductor/onsemi	 NCP3155ADR2G onsemi IC REG BUCK ADJUSTABLE 3A 8SOIC
 NCP3163BPWG onsemi IC REG BUCK BST ADJ 3.4A 16SOIC	 NCP3218GMNR2G onsemi IC REG CTRLR IMVP-6.5 1OUT 48QFN	 NCP3170BDR2G onsemi IC REG BUCK ADJUSTABLE 3A 8SOIC	 NCP3163BPWR2G onsemi IC REG BUCK BST ADJ 3.4A 16SOIC	 NCP3218AMNR2G onsemi IC REG CTRLR IMVP-6.5 1OUT 48QFN	 NCP3230 AMI Semiconductor/onsemi
 NCP3163MNR2G onsemi IC REG BUCK BST ADJ 3.4A 18DFN	 NCP3136MNTXG onsemi IC REG BUCK ADJUSTABLE 6A 16QFN	 NCP3218G AMI Semiconductor/onsemi	 NCP3163PWR2G onsemi IC REG BUCK BST ADJ 3.4A 16SOIC	 NCP3155BDR2G onsemi IC REG BUCK ADJUSTABLE 3A 8SOIC	 NCP3163BMNR2G onsemi IC REG BUCK BST ADJ 3.4A 18DFN

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.



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Contact us if you have any questions.

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Certifications & Memberships



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