

Image may be representation.
See specifications for product details.



NCV8440ASTT1G

Manufacturer Part Number	NCV8440ASTT1G
Manufacturer	onsemi
Allelco Part Number	32D-NCV8440ASTT1G
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 59V 2.6A SOT223
Package	TO-261-4, TO-261AA
Data sheet	NCV8440(A).pdf
RoHs Status	ROHS3 Compliant

Get a Quote

NCV8440ASTT1G - onsemi.New Original in Stock. Download Linear Technology NCV8440ASTT1G datasheet/specifications on AllelcoElec.com.
Request a quote for NCV8440ASTT1G, please send us email: info@allelco.com

Specifications

NCV8440ASTT1G Tech Specifications

NCV8440ASTT1G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	1.9V @ 100µA	Mounting Type	Surface Mount
Vgs (Max)	±15V	Input Capacitance (Ciss) (Max) @ Vds	155 pF @ 35 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	4.5 nC @ 4.5 V
Supplier Device Package	SOT-223 (TO-261)	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	110mOhm @ 2.6A, 10V	Drive Voltage (Max Rds On, Min Rds On)	3.5V, 10V
Power Dissipation (Max)	1.69W (Ta)	Drain to Source Voltage (Vdss)	59 V
Package / Case	TO-261-4, TO-261AA	Current - Continuous Drain (Id) @ 25°C	2.6A (Ta)
Package	Tape & Reel (TR)	Base Product Number	NCV8440

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NCV8440ASTT1G

Product Attribute				
Part Number	NCV8440ASTT1G	NCV8440ASTT3G	NCV8440STT3G	NCV8408DTRKG
Manufacturer	onsemi	onsemi	onsemi	onsemi
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Package / Case	TO-261-4, TO-261AA	TO-261-4, TO-261AA	TO-261-4, TO-261AA	TO-252-3, DPak (2 Leads + Tab), SC-63
Current - Continuous Drain (Id) @ 25°C	2.6A (Ta)	2.6A (Ta)	2.6A (Ta)	-
Gate Charge (Qg) (Max) @ Vgs	4.5 nC @ 4.5 V	4.5 nC @ 4.5 V	4.5 nC @ 4.5 V	-
Drive Voltage (Max Rds On, Min Rds On)	3.5V, 10V	3.5V, 10V	3.5V, 10V	-
Rds On (Max) @ Id, Vgs	110mOhm @ 2.6A, 10V	110mOhm @ 2.6A, 10V	110mOhm @ 2.6A, 10V	-
Input Capacitance (Ciss) (Max) @ Vds	155 pF @ 35 V	155 pF @ 35 V	155 pF @ 35 V	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Vgs(th) (Max) @ Id	1.9V @ 100µA	1.9V @ 100µA	1.9V @ 100µA	-
Series	-	-	-	Automotive, AEC-Q100
Power Dissipation (Max)	1.69W (Ta)	1.69W (Ta)	1.69W (Ta)	-
Base Product Number	NCV8440	NCV8440	NCV8440	NCV8408
Drain to Source Voltage (Vdss)	59 V	59 V	59 V	-
Supplier Device Package	SOT-223 (TO-261)	SOT-223 (TO-261)	SOT-223 (TO-261)	DPAK
FET Feature	-	-	-	-
Vgs (Max)	±15V	±15V	±15V	-
FET Type	N-Channel	N-Channel	N-Channel	-

NCV8440ASTT1G Datasheet PDF

Download NCV8440ASTT1G pdf datasheets and onsemi documentation for NCV8440ASTT1G - onsemi.

Datasheets

[NCV8440\(A\).pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

PCN Packaging



Covering Tape/Material Chg 20/May/2016.pdf

PCN Assembly/Origin



Cancel 21/Dec/2021.pdf

PCN Design/Specification



NCV84yyy 08/Nov/2021.pdf

Customers Also Interested in

Recommended Products



NCV8440ASTT3G
onsemi
MOSFET N-CH 59V 2.6A SOT223



NCV8408DTRKG
onsemi
IC PWR DRIVER N-CHANNEL 1:1 DPAK



NCV8452STT1G
onsemi
IC MOTOR DRIVER 5V-34V SOT223



NCV8406STT1G
AMI Semiconductor/onsemi



NCV8440STT3G
onsemi
MOSFET N-CH 59V 2.6A SOT223



NCV84140DR2G
onsemi
SELF-PROTECTED FET



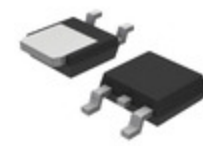
NCV8412ADDR2G
onsemi
SELF-PROTECTED LOW SIDE DRIVER W



NCV8450STT3G
onsemi
IC PWR DRIVER N-CHAN 1:1 SOT223



NCV8412ASTT3G
onsemi
SELF-PROTECTED LOW SIDE DRIVER W



NCV8411DTRKG
onsemi
IC PWR DRIVER N-CHANNEL 1:1 DPAK



NCV8460ADR2G
onsemi
IC PWR DRIVER N-CHAN 1:1 8SOIC



NCV8450ASTT3G
onsemi
IC PWR DRIVER N-CHAN 1:1 SOT223



NCV8445DR2G
onsemi
IC PWR DRIVER N-CHAN 1:1 8SOIC



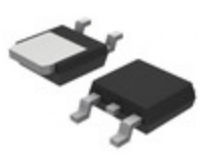
NCV8408DTRKG/V8408C
AMI Semiconductor/onsemi



NCV84160DR2G
onsemi
IC PWR DRIVER N-CHAN 1:1 8SOIC



NCV8412ASTT1G
onsemi
SELF-PROTECTED LOW SIDE DRIVER W



NCV8408BDTRKG
onsemi
IC PWR DRIVER N-CHANNEL 1:1 DPAK



NCV8460DR2G
AMI Semiconductor/onsemi

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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