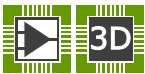





NVMTS0D7N06CLTXG

Manufacturer Part Number	NVMTS0D7N06CLTXG
Manufacturer	onsemi
Allelco Part Number	32D-NVMTS0D7N06CLTXG
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	AFSM T6 60V LL NCH
Package	8-PowerTDFN
Data sheet	NVMTS0D7N06CL.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

NVMTS0D7N06CLTXG - onsemi.New Original in Stock. Download Linear Technology NVMTS0D7N06CLTXG datasheet/specifications on AllelcoElec.com.

Request a quote for NVMTS0D7N06CLTXG, please send us email: info@allelco.com

Specifications





NVMTS0D7N06CLTXG Tech Specifications

NVMTS0D7N06CLTXG - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	2.5V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	16200 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	225 nC @ 10 V
Supplier Device Package	8-DFNW (8.3x8.4)	FET Type	N-Channel
Series	Automotive, AEC-Q101	FET Feature	-
Rds On (Max) @ Id, Vgs	0.68mOhm @ 50A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	5W (Ta), 294.6W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	8-PowerTDFN	Current - Continuous Drain (Id) @ 25°C	62.2A (Ta), 477A (Tc)
Package	Tape & Reel (TR)	Base Product Number	NVMTS0

Parts with Similar Specifications


The three parts on the right have similar specifications to onsemi NVMTS0D7N06CLTXG

Product Attribute	 NO PICTURE			
Part Number	NVMTS0D7N06CLTXG	NVMS5P02R2G	NVMFS6H800NT1G	NVMFS6H824NLT1G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Continuous Drain (Id) @ 25°C	62.2A (Ta), 477A (Tc)	3.95A (Ta)	28A (Ta), 203A (Tc)	20A (Ta), 110A (Tc)
FET Feature	-	-	-	-
Gate Charge (Qg) (Max) @ Vgs	225 nC @ 10 V	35 nC @ 4.5 V	85 nC @ 10 V	52 nC @ 10 V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Power Dissipation (Max)	5W (Ta), 294.6W (Tc)	-	3.8W (Ta), 200W (Tc)	3.8W (Ta), 116W (Tc)
Vgs (Max)	±20V	-	±20V	±20V
Package / Case	8-PowerTDFN	8-SOIC (0.154", 3.90mm Width)	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads
Supplier Device Package	8-DFNW (8.3x8.4)	8-SOIC	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)
Base Product Number	NVMTS0	NVMS5P02	NVMFS6	NVMFS6
Rds On (Max) @ Id, Vgs	0.68mOhm @ 50A, 10V	33mOhm @ 5.4A, 4.5V	2.1mOhm @ 50A, 10V	4mOhm @ 20A, 10V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	-	10V	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds	16200 pF @ 25 V	1900 pF @ 16 V	5530 pF @ 40 V	2900 pF @ 40 V
Series	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101
Vgs(th) (Max) @ Id	2.5V @ 250µA	1.25V @ 250µA	4V @ 330µA	2V @ 140µA
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
FET Type	N-Channel	P-Channel	N-Channel	N-Channel
Drain to Source Voltage (Vdss)	60 V	20 V	80 V	80 V


NVMTS0D7N06CLTXG Datasheet PDF

Download NVMTS0D7N06CLTXG pdf datasheets and onsemi documentation for NVMTS0D7N06CLTXG - onsemi.

Datasheets


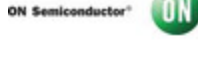





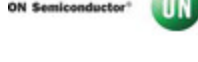











[NVMTS0D7N06CL.pdf](#)

Environmental Information


[onsemi RoHS.pdf](#)

Customers Also Interested in

Recommended Products

					
NVMS5P02R2G onsemi MOSFET P-CH 20V 3.95A 8SOIC	NVMFS6H800NT1G onsemi MOSFET N-CH 80V 28A/203A 5DFN	NVMFS6H824NLT1G onsemi MOSFET N-CH 80V 20A/110A 5DFN	NVMFS6B25NLWFT1G onsemi NVMFS6B25 - SINGLE N-CHANNEL POW	NVMFS6B14NWFT1G onsemi MOSFET N-CH 100V 5DFN	NVMFS6H864NLWFT1G onsemi MOSFET N-CH 80V 7A/22A 5DFN
					
NVMFS6B85NLT3G onsemi MOSFET N-CH 100V 5.6A/19A 5DFN	NVMFS6H824NWFT1G onsemi MOSFET N-CH 80V 19A/103A 5DFN	NVMFS6H818NT1G onsemi MOSFET N-CH 80V 20A/123A 5DFN	NVMFSC0D9N04CL onsemi MOSFET N-CH 40V 50A/316A 8DFN	NVMS4816NR2G onsemi MOSFET N-CH 30V 6.8A 8SOIC	NVMFS6H864NT1G onsemi MOSFET N-CH 80V 6.7A/21A 5DFN
					
NVMYS2D9N04CLTWG onsemi MOSFET N-CH 40V 27A/110A LFP4K4	NVMFS6H858NLT1G onsemi MOSFET N-CH 80V 8.7A/30A 5DFN	NVMFS6H824NT1G onsemi MOSFET N-CH 80V 19A/103A 5DFN	NVMFS6H848NLT1G onsemi MOSFET N-CH 80V 13A/59A 5DFN	NVMFS6H836NWFT1G onsemi MOSFET N-CH 80V 15A/74A 5DFN	NVMFS6H864NLT1G onsemi MOSFET N-CH 80V 7A/22A 5DFN

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.

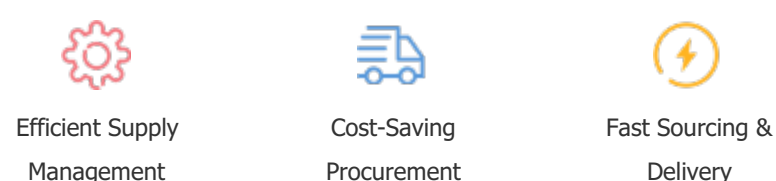
Payment Support

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



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