



NTMFS4C09NT1G

Manufacturer Part Number	NTMFS4C09NT1G
Manufacturer	onsemi
Allelco Part Number	32D-NTMFS4C09NT1G
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 30V 9A 5DFN
Package	8-PowerTDFN, 5 Leads
Data sheet	NTMFS4C09N.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

NTMFS4C09NT1G - onsemi.New Original in Stock. Download Linear Technology NTMFS4C09NT1G datasheet/specifications on AllelcoElec.com.
Request a quote for NTMFS4C09NT1G, please send us email: info@allelco.com

Specifications

NTMFS4C09NT1G Tech Specifications
NTMFS4C09NT1G - 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	2.1V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1252 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	10.9 nC @ 4.5 V
Supplier Device Package	5-DFN (5x6) (8-SOFL)	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	5.8mOhm @ 30A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	760mW (Ta), 25.5W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	8-PowerTDFN, 5 Leads	Current - Continuous Drain (Id) @ 25°C	9A (Ta)
Package	Tape & Reel (TR)	Base Product Number	NTMFS4

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NTMFS4C09NT1G

Product Attribute	NO PICTURE			
Part Number	NTMFS4C09NT1G	NTMFS4C08NT1G	NTMFS4C09NAT1G	NTMFS4C08NAT1G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Vgs(th) (Max) @ Id	2.1V @ 250µA	2.1V @ 250µA	2.1V @ 250µA	2.1V @ 250µA
Series	-	-	-	-
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Vgs (Max)	±20V	±20V	-	±20V
Base Product Number	NTMFS4	NTMFS4	NTMFS4	NTMFS4
Drain to Source Voltage (Vdss)	30 V	30 V	30 V	30 V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	-	4.5V, 10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Supplier Device Package	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)
Input Capacitance (Ciss) (Max) @ Vds	1252 pF @ 15 V	1113 pF @ 15 V	1252 pF @ 15 V	1670 pF @ 15 V
Power Dissipation (Max)	760mW (Ta), 25.5W (Tc)	760mW (Ta)	760mW (Ta)	2.51W (Ta), 25.5W (Tc)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)
FET Feature	-	-	-	-
Gate Charge (Qg) (Max) @ Vgs	10.9 nC @ 4.5 V	18.2 nC @ 10 V	1.9 nC @ 4.5 V	18.2 nC @ 10 V
Rds On (Max) @ Id, Vgs	5.8mOhm @ 30A, 10V	5.8mOhm @ 18A, 10V	5.8mOhm @ 30A, 10V	5.8mOhm @ 18A, 10V
Current - Continuous Drain (Id) @ 25°C	9A (Ta)	9A (Ta), 52A (Tc)	9A (Ta), 52A (Tc)	16.4A (Ta), 52A (Tc)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads

NTMFS4C09NT1G Datasheet PDF

Download NTMFS4C09NT1G pdf datasheets and onsemi documentation for NTMFS4C09NT1G - onsemi.

Datasheets

[NTMFS4C09N.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)



















[onsemi RoHS.pdf](#)

PCN Assembly/Origin

PCN Design/Specification

Customers Also Interested in

Recommended Products

 NTMFS4C324NT1G AMI Semiconductor/onsemi	 NTMFS4C08NT1G onsemi MOSFET N-CH 30V 9A/52A 5DFN	 NTMFS4C08NT1 AMI Semiconductor/onsemi	 NTMFS4C09NAT1G onsemi MOSFET N-CH 30V 9A/52A 5DFN	 NTMFS4C08NAT1G onsemi MOSFET N-CH 30V 16.4A/52A 5DFN	 NTMFS4C06NT1G onsemi MOSFET N-CH 30V 11A/69A 5DFN
 NTMFS4C302NT1G onsemi MOSFET N-CH 30V 41A/230A 5DFN	 NTMFS4C10NBT1G onsemi MOSFET N-CH 30V 16.4A/46A 5DFN	 NTMFS4C10NT1G onsemi MOSFET N-CH 30V 8.2A 5DFN	 NTMFS4C13NT1G onsemi MOSFET N-CH 30V 7.2A/38A 5DFN	 NTMFS4C250NT1G onsemi MOSFET N-CH 30V 11A/69A 5DFN	 NTMFS4C06NT3G onsemi MOSFET N-CH 30V 11A/69A 5DFN
 NTMFS4C06NT1G MOS AMI Semiconductor/onsemi	 NTMFS4C09NAT1G-01 AMI Semiconductor/onsemi	 NTMFS4C290NT1G onsemi MOSFET N-CH 30V 8.2A/46A 5DFN	 NTMFS4C10NAT1G onsemi MOSFET N-CH 30V 8.2A S08FL	 NTMFS4C08NT1G MOS AMI Semiconductor/onsemi	 NTMFS4C09NBT1G onsemi MOSFET N-CH 30V S08FL

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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