



NDTL03N150CG

Manufacturer Part Number	NDTL03N150CG
Manufacturer	onsemi
Allelco Part Number	32D-NDTL03N150CG
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 1500V 2.5A TO3P
Package	TO-3PL
Data sheet	NDTL03N150C.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

NDTL03N150CG - onsemi.New Original in Stock. Download Linear Technology NDTL03N150CG datasheet/specifications on AllelcoElec.com.

Request a quote for NDTL03N150CG, please send us email: info@allelco.com

Specifications

NDTL03N150CG Tech Specifications

NDTL03N150CG - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	150°C (TJ)
Vgs(th) (Max) @ Id	-	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	650 pF @ 30 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	34 nC @ 10 V
Supplier Device Package	TO-3P(L)	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	10.5Ohm @ 1.25A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	2.5W (Ta), 140W (Tc)	Drain to Source Voltage (Vdss)	1500 V
Package / Case	TO-3PL	Current - Continuous Drain (Id) @ 25°C	2.5A (Ta)
Package	Tube	Base Product Number	NDTL03

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NDTL03N150CG

Product Attribute				
Part Number	NDTL03N150CG	NDT453N	NDT452P	NDT454P
Manufacturer	onsemi	onsemi	onsemi	onsemi
Operating Temperature	150°C (TJ)	-65°C ~ 150°C (TJ)	-	-65°C ~ 150°C (TJ)
FET Feature	-	-	-	-
FET Type	N-Channel	N-Channel	P-Channel	P-Channel
Package / Case	TO-3PL	TO-261-4, TO-261AA	TO-261-4, TO-261AA	TO-261-4, TO-261AA
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Drive Voltage (Max Rds On, Min Rds On)	10V	4.5V, 10V	-	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds	650 pF @ 30 V	890 pF @ 15 V	525 pF @ 10 V	950 pF @ 15 V
Base Product Number	NDTL03	NDT453	NDT452	NDT454
Vgs (Max)	±30V	±20V	-	±20V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	1500 V	30 V	30 V	30 V
Supplier Device Package	TO-3P(L)	SOT-223-4	SOT-223-4	SOT-223-4
Vgs(th) (Max) @ Id	-	3V @ 250µA	3V @ 250µA	2.7V @ 250µA
Current - Continuous Drain (Id) @ 25°C	2.5A (Ta)	8A (Ta)	3A (Ta)	5.9A (Ta)
Power Dissipation (Max)	2.5W (Ta), 140W (Tc)	3W (Ta)	-	3W (Ta)
Series	-	-	-	-
Mounting Type	Through Hole	Surface Mount	Surface Mount	Surface Mount
Gate Charge (Qg) (Max) @ Vgs	34 nC @ 10 V	35 nC @ 10 V	25 nC @ 10 V	40 nC @ 10 V
Rds On (Max) @ Id, Vgs	10.5Ohm @ 1.25A, 10V	28mOhm @ 8A, 10V	180mOhm @ 3A, 10V	50mOhm @ 5.9A, 10V

NDTL03N150CG Datasheet PDF

Download NDTL03N150CG pdf datasheets and onsemi documentation for NDTL03N150CG - onsemi.

Datasheets

[NDTL03N150C.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

PCN Obsolescence/ EOL

PCN Assembly/Origin

Customers Also Interested in

Recommended Products



NDT456P-NL
Fairchild (onsemi)



NDT456P MOS
AMI Semiconductor/onsemi



NDT453N
onsemi
MOSFET N-CH 30V 8A SOT-223-4



NDT455N MOS
Fairchild (onsemi)



NDT457N-NL
VBSEMI



NDT452AP-NL
AMI Semiconductor/onsemi



NDT454
Fairchild (onsemi)



NDT452P
onsemi
MOSFET P-CH 30V 3A SOT-223-4



NDT452P MOS
AMI Semiconductor/onsemi



NDTS4803C
Murata Power Solutions Inc.
DC DC CONVERTER 3.3V 3W



NDT454P
onsemi
MOSFET P-CH 30V 5.9A SOT223-4



NDT452P-NL
AMI Semiconductor/onsemi



NDT454P MOS
Fairchild (onsemi)



NDT456P
onsemi
MOSFET P-CH 30V 7.5A SOT-223-4



NDT456
Fairchild (onsemi)



NDT454P
Fairchild Semiconductor
POWER FIELD-EFFECT TRANSISTOR,
5



NDT454P-NL
Fairchild (onsemi)



NDT455N
onsemi
MOSFET N-CH 30V 11.5A SOT223-4

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 Alleco 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@alleco.com

Certifications & Memberships



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Contact us

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