

Image may be representation.
See specifications for product details.



NTD3055L104-1G

Manufacturer Part Number	NTD3055L104-1G
Manufacturer	onsemi
Allelco Part Number	32D-NTD3055L104-1G
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 60V 12A IPAK
Package	TO-251-3 Short Leads, IPak, TO-251AA
Data sheet	NTD3055L104.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

NTD3055L104-1G - onsemi.New Original in Stock. Download Linear Technology NTD3055L104-1G datasheet/specifications on AllelcoElec.com.
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Specifications

NTD3055L104-1G Tech Specifications

NTD3055L104-1G - 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	2V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±15V	Input Capacitance (Ciss) (Max) @ Vds	440 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	20 nC @ 5 V
Supplier Device Package	I-PAK	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	104mOhm @ 6A, 5V	Drive Voltage (Max Rds On, Min Rds On)	5V
Power Dissipation (Max)	1.5W (Ta), 48W (Tj)	Drain to Source Voltage (Vdss)	60 V
Package / Case	TO-251-3 Short Leads, IPak, TO-251AA	Current - Continuous Drain (Id) @ 25°C	12A (Ta)
Package	Tube	Base Product Number	NTD3055

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NTD3055L104-1G

Product Attribute				
Part Number	NTD3055L104-1G	NTD3055-150T4G	NTD3055L170T4G	NTD3055L104T4G
Manufacturer	onsemi	onsemi	onsemi	onsemi
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Rds On (Max) @ Id, Vgs	104mOhm @ 6A, 5V	150mOhm @ 4.5A, 10V	170mOhm @ 4.5A, 5V	104mOhm @ 6A, 5V
Gate Charge (Qg) (Max) @ Vgs	20 nC @ 5 V	15 nC @ 10 V	10 nC @ 5 V	20 nC @ 5 V
Base Product Number	NTD3055	NTD3055	NTD3055	NTD3055
Series	-	-	-	-
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Current - Continuous Drain (Id) @ 25°C	12A (Ta)	9A (Ta)	9A (Ta)	12A (Ta)
Drive Voltage (Max Rds On, Min Rds On)	5V	10V	5V	5V
Vgs(th) (Max) @ Id	2V @ 250µA	4V @ 250µA	2V @ 250µA	2V @ 250µA
Drain to Source Voltage (Vdss)	60 V	60 V	60 V	60 V
Mounting Type	Through Hole	Surface Mount	Surface Mount	Surface Mount
FET Feature	-	-	-	-
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Supplier Device Package	I-PAK	DPAK	DPAK	DPAK
Vgs (Max)	±15V	±20V	±15V	±15V
Package / Case	TO-251-3 Short Leads, IPak, TO-251AA	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63
Input Capacitance (Ciss) (Max) @ Vds	440 pF @ 25 V	280 pF @ 25 V	275 pF @ 25 V	440 pF @ 25 V
Power Dissipation (Max)	1.5W (Ta), 48W (Tj)	1.5W (Ta), 28.8W (Tj)	1.5W (Ta), 28.5W (Tj)	1.5W (Ta), 48W (Tj)

NTD3055L104-1G Datasheet PDF

Download NTD3055L104-1G pdf datasheets and onsemi documentation for NTD3055L104-1G - onsemi.

Datasheets

[NTD3055L104.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)



Mult Dev EOL 7/Apr/2021.pdf

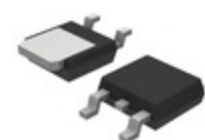
PCN Assembly/Origin



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Customers Also Interested in

Recommended Products



NTD30555L104T4G

AMI Semiconductor/onsemi



NTD3055L170T4G

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MOSFET N-CH 60V 9A DPAK

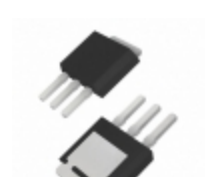


NTD3055G

AMI Semiconductor/onsemi

NTD3055L

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NTD30555L104T4G

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MOSFET N-CH 60V 12A DPAK

NTD30555L170-1G

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MOSFET N-CH 60V 9A IPAK

NTD30555L170T4

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MOSFET N-CH 60V 9A DPAK

NTD30555L104G

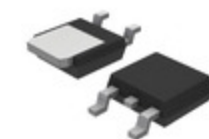
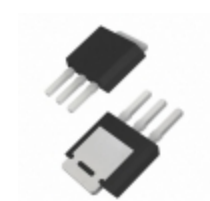
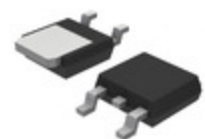
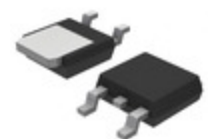
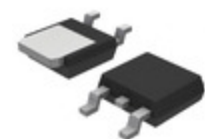
onsemi
MOSFET N-CH 60V 12A DPAK

NTD3055-150LT4G

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NTD3055-150T4 MOS

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NTD30555L104G MOS

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NTD30555L170-001

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MOSFET N-CH 60V 9A IPAK

NTD30555L170G

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MOSFET N-CH 60V 9A DPAK

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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