

Image may be representation.
See specifications for product details.



NTD3055L104T4G

Manufacturer Part Number **NTD3055L104T4G**

Manufacturer **onsemi**

Allelco Part Number **32D-NTD3055L104T4G**

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **MOSFET N-CH 60V 12A DPAK**

Package **TO-252-3, DPak (2 Leads + Tab), SC-63**

Data sheet **NTD3055L104.pdf**

RoHs Status **ROHS3 Compliant**

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NTD3055L104T4G - onsemi.New Original in Stock. Download Linear Technology NTD3055L104T4G datasheet/specifications on AllelcoElec.com.

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Specifications

NTD3055L104T4G Tech Specifications

NTD3055L104T4G - 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	Surface Mount
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	DPAK	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-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	12A (Ta)
Package	Tape & Reel (TR)	Base Product Number	NTD3055

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NTD3055L104T4G

Product Attribute				
Part Number	NTD3055L104T4G	NTD3055L170	NTD3055L104	NTD3055L170G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Vgs(th) (Max) @ Id	2V @ 250µA	2V @ 250µA	2V @ 250µA	2V @ 250µA
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs (Max)	±15V	±15V	±15V	±15V
Series	-	-	-	-
Drive Voltage (Max Rds On, Min Rds On)	5V	5V	5V	5V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Input Capacitance (Ciss) (Max) @ Vds	440 pF @ 25 V	275 pF @ 25 V	440 pF @ 25 V	275 pF @ 25 V
Supplier Device Package	DPAK	DPAK	DPAK	DPAK
Drain to Source Voltage (Vdss)	60 V	60 V	60 V	60 V
Power Dissipation (Max)	1.5W (Ta), 48W (Tj)	1.5W (Ta), 28.5W (Tj)	1.5W (Ta), 48W (Tj)	1.5W (Ta), 28.5W (Tj)
Rds On (Max) @ Id, Vgs	104mOhm @ 6A, 5V	170mOhm @ 4.5A, 5V	104mOhm @ 6A, 5V	170mOhm @ 4.5A, 5V
Current - Continuous Drain (Id) @ 25°C	12A (Ta)	9A (Ta)	12A (Ta)	9A (Ta)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tape & Reel (TR)	Tube	Tube	Tube
Gate Charge (Qg) (Max) @ Vgs	20 nC @ 5 V	10 nC @ 5 V	20 nC @ 5 V	10 nC @ 5 V
FET Feature	-	-	-	-
Package / Case	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	TO-252-3, DPak (2 Leads + Tab), SC-63
Base Product Number	NTD3055	NTD30	NTD30	NTD30

NTD3055L104T4G Datasheet PDF

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Datasheets

[NTD3055L104.pdf](#)



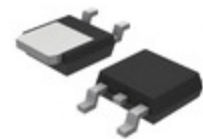


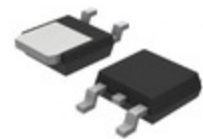
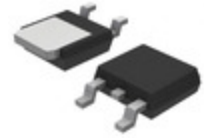



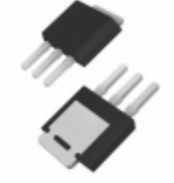
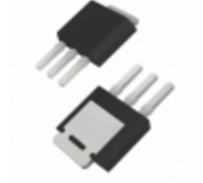

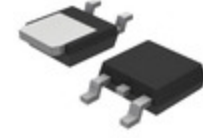

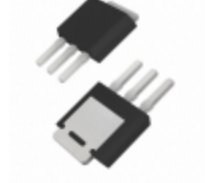


Environmental Information

[onsemi RoHS.pdf](#)

PCN Assembly/Origin

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 NTD3055L170G onsemi MOSFET N-CH 60V 9A DPAK	 NTD3055L AMI Semiconductor/onsemi	 NTD3055L-170T4G AMI Semiconductor/onsemi	 NTD3055VLT4G AMI Semiconductor/onsemi	 NTD3055L104-1G onsemi MOSFET N-CH 60V 12A IPAK	 NTD3055L170-1G onsemi MOSFET N-CH 60V 9A IPAK
 NTD3055L170T4G onsemi MOSFET N-CH 60V 9A DPAK	 NTD3055L170T4 onsemi MOSFET N-CH 60V 9A DPAK	 NTD3055-170T4G AMI Semiconductor/onsemi	 NTD3055L170-001 onsemi MOSFET N-CH 60V 9A IPAK	 NTD3055L104G onsemi MOSFET N-CH 60V 12A DPAK	 NTD3055G AMI Semiconductor/onsemi

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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

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 - > 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.

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Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@allelco.com