



Image may be representation.  
See specifications for product details.



## TP2502N8-G

Manufacturer Part Number	<b>TP2502N8-G</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-TP2502N8-G
ECAD Model	Request Free CAD Models
Parts Description	MOSFET P-CH 20V 630MA TO243AA
Package	TO-243AA
Data sheet	TP2502N8-G.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

TP2502N8-G - Microchip Technology. New Original in Stock. Download Linear Technology TP2502N8-G datasheet/specifications on AllelcoElec.com. Request a quote for TP2502N8-G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

TP2502N8-G Tech Specifications

TP2502N8-G - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	2.4V @ 1mA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	125 pF @ 20 V
Technology	MOSFET (Metal Oxide)	FET Type	P-Channel
Supplier Device Package	TO-243AA (SOT-89)	FET Feature	-
Series	-	Drive Voltage (Max Rds On, Min Rds On)	5V, 10V
Rds On (Max) @ Id, Vgs	20hm @ 1A, 10V	Drain to Source Voltage (Vdss)	20 V
Power Dissipation (Max)	1.6W (Ta)	Current - Continuous Drain (Id) @ 25°C	630mA (TJ)
Package / Case	TO-243AA	Base Product Number	TP2502
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology TP2502N8-G

Product Attribute				
Part Number	TP2502N8-G	TP2510N8-G	TP2435N8-G	TP2520N8-G
Manufacturer	Microchip Technology	Microchip Technology	Micrel / Microchip Technology	Microchip Technology
Drain to Source Voltage (Vdss)	20 V	100 V	350V	200 V
Input Capacitance (Ciss) (Max) @ Vds	125 pF @ 20 V	125 pF @ 25 V	200pF @ 25V	125 pF @ 25 V
Series	-	-	-	-
Drive Voltage (Max Rds On, Min Rds On)	5V, 10V	10V	3V, 10V	4.5V, 10V
Package / Case	TO-243AA	TO-243AA	TO-243AA	TO-243AA
Vgs(th) (Max) @ Id	2.4V @ 1mA	2.4V @ 1mA	2.4V @ 1mA	2.4V @ 1mA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	TO-243AA (SOT-89)	TO-243AA (SOT-89)	TO-243AA (SOT-89)	TO-243AA (SOT-89)
Current - Continuous Drain (Id) @ 25°C	630mA (TJ)	480mA (TJ)	231mA (TJ)	260mA (TJ)
Vgs (Max)	±20V	±20V	±20V	±20V
Power Dissipation (Max)	1.6W (Ta)	1.6W (Ta)	1.6W (Ta)	1.6W (Ta)
FET Feature	-	-	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package	Tape & Reel (TR)	Tape & Reel (TR)	-	Tape & Reel (TR)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Base Product Number	TP2502	TP2510	-	TP2520
Rds On (Max) @ Id, Vgs	20hm @ 1A, 10V	3.50hm @ 750mA, 10V	15 Ohm @ 500mA, 10V	120hm @ 200mA, 10V
FET Type	P-Channel	P-Channel	P-Channel	P-Channel

### TP2502N8-G Datasheet PDF

Download TP2502N8-G pdf datasheets and Microchip Technology documentation for TP2502N8-G - Microchip Technology.

#### PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf

Packing Changes 10/Oct/2016.pdf

#### Environmental Information

Microchip CA Prop65.pdf

Microchip REACH.pdf

Microchip RoHS.pdf

#### PCN Design/Specification

PCN Assembly/Origin

Additional Fabrication Site 03/Sep/2014.pdf

Customers Also Interested in

Recommended Products

<b>TP2510-150M</b>	<b>TP2432-VR</b> 3PEAK	<b>TP2504N8</b> SUPER	<b>TP2510N8-G</b> Microchip Technology MOSFET P-CH 100V 480MA TO243AA	<b>TP2434-TR</b> 3PEAK	<b>TP2504N8-G</b> SUPERTEX
<b>TP2424</b> SUPERTEX	<b>TP2431-TR</b> 3PEAK	<b>TP2414-TR</b> 3PEAK	<b>TP2510N8</b> SUPER	<b>TP2435N8-G</b> Micrel / Microchip Technology MOSFET P-CH 350V 0.231A SOT89-3	<b>TP2431U-TR</b> 3PEAK
<b>TP2520N8-G</b> Microchip Technology MOSFET P-CH 200V 260MA TO243AA	<b>TP2520N8</b> SUPERTEX	<b>TP2414-SR</b> 3PEAK	<b>TP2502N8</b> SUPERTEX	<b>TP2522N8</b> SUPER	<b>TP2432-SR</b> 3PEAK

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 -

Efficient Supply Management	Cost-Saving Procurement	Fast Sourcing & Delivery
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Contact us if you have any questions.

Phone +00852 9146 4856	Email info@allelco.com
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Certifications & Memberships



View More

Contact us

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