

Image may be representation.
See specifications for product details.



TP0610K-T1-E3

Manufacturer Part Number	TP0610K-T1-E3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-TP0610K-T1-E3
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET P-CH 60V 185MA SOT23-3
Package	TO-236-3, SC-59, SOT-23-3
Data sheet	TP0610K.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

TP0610K-T1-E3 - Vishay Siliconix. New Original in Stock. Download Linear Technology TP0610K-T1-E3 datasheet/specifications on AllelcoElec.com. Request a quote for TP0610K-T1-E3, please send us email: info@allelco.com

Specifications

TP0610K-T1-E3 Tech Specifications

TP0610K-T1-E3 - Vishay Siliconix technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay / Siliconix	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	23 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	1.7 nC @ 15 V
Supplier Device Package	SOT-23-3 (TO-236)	FET Type	P-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	60hm @ 500mA, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	350mW (Ta)	Drain to Source Voltage (Vdss)	60 V
Package / Case	TO-236-3, SC-59, SOT-23-3	Current - Continuous Drain (Id) @ 25°C	185mA (Ta)
Package	Tape & Reel (TR)	Base Product Number	TP0610

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix TP0610K-T1-E3

Product Attribute				
Part Number	TP0610K-T1-E3	TP0610K-T1-GE3	TP0606N3-G	TP0610T-G
Manufacturer	Vishay Siliconix	Vishay Siliconix	Microchip Technology	Microchip Technology
Vgs(th) (Max) @ Id	3V @ 250µA	3V @ 250µA	2.4V @ 1mA	2.4V @ 1mA
Rds On (Max) @ Id, Vgs	60hm @ 500mA, 10V	60hm @ 500mA, 10V	3.50hm @ 750mA, 10V	100hm @ 200mA, 10V
FET Type	P-Channel	P-Channel	P-Channel	P-Channel
Package / Case	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3	TO-226-3, TO-92-3 (TO-226AA)	TO-236-3, SC-59, SOT-23-3
Drain to Source Voltage (Vdss)	60 V	60 V	60 V	60 V
Series	TrenchFET®	TrenchFET®	-	-
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Bag	Tape & Reel (TR)
Base Product Number	TP0610	TP0610	TP0606	TP0610
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	5V, 10V	4.5V, 10V
FET Feature	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Vgs (Max)	±20V	±20V	±20V	±20V
Input Capacitance (Ciss) (Max) @ Vds	23 pF @ 25 V	23 pF @ 25 V	150 pF @ 25 V	60 pF @ 25 V
Power Dissipation (Max)	350mW (Ta)	350mW (Ta)	1W (Tc)	360mW (Ta)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Supplier Device Package	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)	TO-92-3	TO-236AB (SOT23)
Current - Continuous Drain (Id) @ 25°C	185mA (Ta)	185mA (Ta)	320mA (Tj)	120mA (Tj)
Gate Charge (Qg) (Max) @ Vgs	1.7 nC @ 15 V	1.7 nC @ 15 V	-	-

TP0610K-T1-E3 Datasheet PDF

Download TP0610K-T1-E3 pdf datasheets and Vishay Siliconix documentation for TP0610K-T1-E3 - Vishay Siliconix.

Datasheets

TP0610K.pdf

Environmental Information



















Material Compliance.pdf

PCN Assembly/Origin

PCN Other

Customers Also Interested in

Recommended Products

					
TP0610K-T1-GE3 Vishay Siliconix MOSFET P-CH 60V 185MA SOT23-3	TP0604N3 SUPERTEX	TP0610L-T1-E3 Electro-Films (EFI) / Vishay	TP0610L Electro-Films (EFI) / Vishay	TP0606N3 SUPERTEX	TP0602N3 SUPERTEX
					
TP0606N3-G Microchip Technology MOSFET P-CH 60V 320MA TO92-3	TP0610T-G Microchip Technology MOSFET P-CH 60V 120MA TO236AB	TP0606N5 SI	TP0610T Electro-Films (EFI) / Vishay	TP060T-T1 Electro-Films (EFI) / Vishay	TP0610K-T1-GE3 MOS Electro-Films (EFI) / Vishay
					
TP0610K-T1-E3 MOS Electro-Films (EFI) / Vishay	TP0610K-T1 Vishay Siliconix MOSFET P-CH 60V 185MA SOT23-3	TP0610 Silicon Power	TP0601K-T1-E3 Electro-Films (EFI) / Vishay	TP0610N MEGAMOS	TP05DB12S12 TOPPOWER

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

Contact us if you have any questions.

	
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Certifications & Memberships



View More

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