



Image may be representation.
See specifications for product details.



VND5T050AKTR-E

Manufacturer Part Number	VND5T050AKTR-E
Manufacturer	STMicroelectronics
Allelco Part Number	32D-VND5T050AKTR-E
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC PWR DRVR N-CHAN 1:1 PWRSSO24
Package	24-PowerBSOP (0.295", 7.50mm Width)
Data sheet	VND5T050AK-E.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

VND5T050AKTR-E - STMicroelectronics.New Original in Stock. Download Linear Technology VND5T050AKTR-E datasheet/specifications on AllelcoElec.com.
Request a quote for VND5T050AKTR-E, please send us email: info@allelco.com

Specifications

VND5T050AKTR-E Tech Specifications

VND5T050AKTR-E - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Output Configuration	High Side
Voltage - Supply (Vcc/Vdd)	Not Required	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Load	8V ~ 36V	Number of Outputs	2
Switch Type	General Purpose	Mounting Type	Surface Mount
Supplier Device Package	PowerSSO-24	Interface	On/Off
Series	VIPower™	Input Type	Non-Inverting
Rds On (Typ)	50mOhm	Features	-
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Package / Case	24-PowerBSOP (0.295", 7.50mm Width)	Current - Output (Max)	24A
Package	Tape & Reel (TR)	Base Product Number	VND5T050
Output Type	N-Channel		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VND5T050AKTR-E

Product Attribute				
Part Number	VND5T050AKTR-E	VND600	VND5T035LAK-E	VND5T016ASPTR-E
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Series	VIPower™	-	VIPower™	VIPower™
Base Product Number	VND5T050	VND600	VND5T035	VND5T016
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Supplier Device Package	PowerSSO-24	16-SO	PowerSSO-24™	PowerSO-16™
Number of Outputs	2	2	2	2
Current - Output (Max)	24A	25A	30A	45A
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Package	Tape & Reel (TR)	Tube	Tube	Tape & Reel (TR)
Rds On (Typ)	50mOhm	35mOhm (Max)	35mOhm	16mOhm
Features	-	Auto Restart	-	-
Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage	Current Limiting (Fixed), Over Temperature, Over Voltage	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, UVLO	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Output Configuration	High Side	High Side	High Side	High Side
Voltage - Load	8V ~ 36V	5.5V ~ 36V	4V ~ 36V	8V ~ 36V
Package / Case	24-PowerBSOP (0.295", 7.50mm Width)	16-SOIC (0.295", 7.50mm Width)	24-BSOP (0.295", 7.50mm Width) Exposed Pad	16-PowerBSOP (0.370", 9.40mm Width)
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Voltage - Supply (Vcc/Vdd)	Not Required	Not Required	Not Required	Not Required
Interface	On/Off	On/Off	On/Off	On/Off
Ratio - Input:Output	1:1	1:1	1:1	1:1

VND5T050AKTR-E Datasheet PDF

Download VND5T050AKTR-E pdf datasheets and STMicroelectronics documentation for VND5T050AKTR-E - STMicroelectronics.

PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf





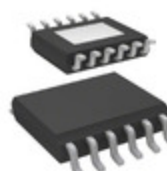












PCN Assembly/Origin

Mult Dev Assembly Chg 18/Oct/2019.pdf

 VND5T050AK-E.pdf

Customers Also Interested in

Recommended Products

 VND5T050AKTR STMicroelectronics	 VND600 STMicroelectronics IC PWR DRIVER N-CHANNEL 1:1 16SO	 VND5T035LAK-E STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO24	 VND5T016ASPTR-E STMicroelectronics IC PWR DRIVER N-CHAN 1:1 PWRSSO16	 VND5T100AJ-E STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO12	 VND5T100AJTR STMicroelectronics
 VND600-E STMicroelectronics IC PWR DRIVER N-CHANNEL 1:1 16SO	 VND5T016AHTR STMicroelectronics	 VND5T035AKTR-E STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO24	 VND5T035AK-E STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO24	 VND5T100AJ STMicroelectronics	 VND5T035AKTR STMicroelectronics
 VND60013TR STMicroelectronics IC PWR DRIVER N-CHANNEL 1:1 16SO	 VND5T100AJTR-E STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO12	 VND5T100LAJTR-E STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO12	 VND5T035LAKTR STMicroelectronics	 VND5T035AK STMicroelectronics	 VND5T035LAKTR-E STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO24

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.

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Certifications & Memberships



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Contact us

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