



VNH5050A-E Information



For Reference Only

Part Number VNH5050A-E

Manufacturer STMicroelectronics

Category Integrated Circuits (ICs)

PMIC - Motor Drivers, Controllers

DescriptionIC MOTOR DRIVER PAR 36POWERSSOPackage36-BFSOP (0.295", 7.50mm Width) Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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VNH5050A-E Specifications

Manufacturer Part Number VNH5050A-E Manufacturer STMicroelectronics Category Integrated Circuits (ICs) Package 36-BFSOP (0.295", 7.50mm Width) Exposed Pad Series ECOPACK?, VIPower? Motor Type - Stepper - Motor Type - AC, DC Brushed DC Function Driver - Fully Integrated, Control and Power Stage Output Configuration Half Bridge (2) Interface Parallel, PWM Technology Power MOSFET Step Resolution - Applications Automotive Current - Output 30A Voltage - Supply 5.5 V ~ 18 V Voltage - Load 5.5 V ~ 18 V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 36-BFSOP (0.295", 7.50mm Width) Exposed Pad Supplier Device Package PowerSSO-36	•	
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Package36-BFSOP (0.295", 7.50mm Width) Exposed PadSeriesECOPACK?, VIPower?Motor Type - Stepper-Motor Type - AC, DCBrushed DCFunctionDriver - Fully Integrated, Control and Power StageOutput ConfigurationHalf Bridge (2)InterfaceParallel, PWMTechnologyPower MOSFETStep Resolution-ApplicationsAutomotiveCurrent - Output30AVoltage - Supply5.5 V ~ 18 VVoltage - Load5.5 V ~ 18 VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case36-BFSOP (0.295", 7.50mm Width) Exposed PadSupplier Device PackagePowerSSO-36	Category	Integrated Circuits (ICs)
SeriesECOPACK?, VIPower?Motor Type - Stepper-Motor Type - AC, DCBrushed DCFunctionDriver - Fully Integrated, Control and Power StageOutput ConfigurationHalf Bridge (2)InterfaceParallel, PWMTechnologyPower MOSFETStep Resolution-ApplicationsAutomotiveCurrent - Output30AVoltage - Supply5.5 V ~ 18 VVoltage - Load5.5 V ~ 18 VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case36-BFSOP (0.295", 7.50mm Width) Exposed PadSupplier Device PackagePowerSSO-36		PMIC - Motor Drivers, Controllers
Motor Type - Stepper-Motor Type - AC, DCBrushed DCFunctionDriver - Fully Integrated, Control and Power StageOutput ConfigurationHalf Bridge (2)InterfaceParallel, PWMTechnologyPower MOSFETStep Resolution-ApplicationsAutomotiveCurrent - Output30AVoltage - Supply5.5 V ~ 18 VVoltage - Load5.5 V ~ 18 VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case36-BFSOP (0.295", 7.50mm Width) Exposed PadSupplier Device PackagePowerSSO-36	Package	36-BFSOP (0.295", 7.50mm Width) Exposed Pad
Motor Type - AC, DCBrushed DCFunctionDriver - Fully Integrated, Control and Power StageOutput ConfigurationHalf Bridge (2)InterfaceParallel, PWMTechnologyPower MOSFETStep Resolution-ApplicationsAutomotiveCurrent - Output30AVoltage - Supply5.5 V ~ 18 VVoltage - Load5.5 V ~ 18 VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case36-BFSOP (0.295", 7.50mm Width) Exposed PadSupplier Device PackagePowerSSO-36	Series	ECOPACK?, VIPower?
Function Driver - Fully Integrated, Control and Power Stage Output Configuration Half Bridge (2) Interface Parallel, PWM Technology Power MOSFET Step Resolution - Applications Automotive Current - Output 30A Voltage - Supply 5.5 V ~ 18 V Voltage - Load 5.5 V ~ 18 V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 36-BFSOP (0.295", 7.50mm Width) Exposed Pad Supplier Device Package PowerSSO-36	Motor Type - Stepper	-
Output Configuration Half Bridge (2) Interface Parallel, PWM Technology Power MOSFET Step Resolution - Applications Automotive Current - Output 30A Voltage - Supply 5.5 V ~ 18 V Voltage - Load 5.5 V ~ 18 V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 36-BFSOP (0.295", 7.50mm Width) Exposed Pad Supplier Device Package PowerSSO-36	Motor Type - AC, DC	Brushed DC
Interface Parallel, PWM Technology Power MOSFET Step Resolution - Applications Automotive Current - Output 30A Voltage - Supply 5.5 V ~ 18 V Voltage - Load 5.5 V ~ 18 V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 36-BFSOP (0.295", 7.50mm Width) Exposed Pad Supplier Device Package PowerSSO-36	Function	Driver - Fully Integrated, Control and Power Stage
Technology Power MOSFET Step Resolution - Applications Automotive Current - Output 30A Voltage - Supply 5.5 V ~ 18 V Voltage - Load 5.5 V ~ 18 V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 36-BFSOP (0.295", 7.50mm Width) Exposed Pad Supplier Device Package PowerSSO-36	Output Configuration	Half Bridge (2)
Step Resolution - Automotive Current - Output 30A Voltage - Supply 5.5 V ~ 18 V Voltage - Load 5.5 V ~ 18 V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 36-BFSOP (0.295", 7.50mm Width) Exposed Pad Supplier Device Package PowerSSO-36	Interface	Parallel, PWM
Applications Automotive Current - Output 30A Voltage - Supply 5.5 V ~ 18 V Voltage - Load 5.5 V ~ 18 V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 36-BFSOP (0.295", 7.50mm Width) Exposed Pad Supplier Device Package PowerSSO-36	Technology	Power MOSFET
Current - Output $30A$ Voltage - Supply $5.5 \text{ V} \sim 18 \text{ V}$ Voltage - Load $5.5 \text{ V} \sim 18 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ) Mounting Type Surface Mount Package / Case 36-BFSOP $(0.295^{\circ}\text{N}, 7.50\text{mm Width})$ Exposed Pad Supplier Device Package PowerSSO-36	Step Resolution	-
Voltage - Supply $5.5 \text{ V} \sim 18 \text{ V}$ Voltage - Load $5.5 \text{ V} \sim 18 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ) Mounting Type Surface Mount Package / Case 36-BFSOP (0.295", 7.50mm Width) Exposed Pad Supplier Device Package PowerSSO-36	Applications	Automotive
Voltage - Load $5.5 \text{ V} \sim 18 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ) Mounting Type Surface Mount Package / Case 36-BFSOP (0.295", 7.50mm Width) Exposed Pad Supplier Device Package PowerSSO-36	Current - Output	30A
Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 36-BFSOP (0.295", 7.50mm Width) Exposed Pad Supplier Device Package PowerSSO-36	Voltage - Supply	5.5 V ~ 18 V
Mounting Type Surface Mount Package / Case 36-BFSOP (0.295", 7.50mm Width) Exposed Pad Supplier Device Package PowerSSO-36	Voltage - Load	5.5 V ~ 18 V
Package / Case 36-BFSOP (0.295", 7.50mm Width) Exposed Pad Supplier Device Package PowerSSO-36	Operating Temperature	-40°C ~ 150°C (TJ)
Supplier Device Package PowerSSO-36	Mounting Type	Surface Mount
~	Package / Case	36-BFSOP (0.295", 7.50mm Width) Exposed Pad
Report errors?	Supplier Device Package	PowerSSO-36
*		Report errors?

VNH5050A-E Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

VNH5050A-E Payment Methods



















VNH5050A-E Shipping Methods













If you have any question about VNH5050A-E, please do not hesitate to contact us!

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