



### **VN5012SAK-E Information**



For Reference Only

Part Number VN5012SAK-E
Manufacturer STMicroelectronics
Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

**Description**IC DVR SGL HI SIDE POWERSSO24**Package**PowerSSO-24? Exposed Bottom Pad

For the pricing/inventory/lead time, please contact

us

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



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# **VN5012SAK-E Specifications**

Manufacturer Part Number       VN5012SAK-E         Manufacturer       STMicroelectronics         Category       Integrated Circuits (ICs)         PMIC - Power Distribution Switches, Load Drivers         Package       PowerSSO-24? Exposed Bottom Pad         Series       VIPower?         Switch Type       General Purpose         Number of Outputs       1         Ratio - Input:Output       1:1         Output Configuration       High Side         Output Type       N-Channel         Interface       On/Off         Voltage - Load       4.5 V ~ 36 V         Voltage - Supply (Vcc/Vdd)       Not Required         Current - Output (Max)       45A         Rds On (Typ)       12 mOhm (Max)         Input Type       Non-Inverting         Features       Auto Restart         Fault Protection       Current Limiting (Fixed), Over Temperature, Over Voltage         Operating Temperature       -40°C ~ 150°C (TI)         Package / Case       PowerSSO-24? Exposed Bottom Pad         Supplier Device Package       PowerSSO-24	-	
CategoryIntegrated Circuits (ICs)PackagePower Distribution Switches, Load DriversPackagePowerSSO-24? Exposed Bottom PadSeriesVIPower?Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load4.5 V ~ 36 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)45ARds On (Typ)12 mOhm (Max)Input TypeNon-InvertingFeaturesAuto RestartFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CasePowerSSO-24? Exposed Bottom PadSupplier Device PackagePowerSSO-24? Exposed Bottom Pad	Manufacturer Part Number	VN5012SAK-E
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Output TypeN-ChannelInterfaceOn/OffVoltage - Load4.5 V ~ 36 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)45ARds On (Typ)12 mOhm (Max)Input TypeNon-InvertingFeaturesAuto RestartFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CasePowerSSO-24? Exposed Bottom PadSupplier Device PackagePowerSSO-24	Ratio - Input:Output	1:1
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Input Type Non-Inverting  Features Auto Restart  Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature -40°C ~ 150°C (TJ)  Package / Case PowerSSO-24? Exposed Bottom Pad  Supplier Device Package PowerSSO-24	Current - Output (Max)	45A
Features Auto Restart  Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature -40°C ~ 150°C (TJ)  Package / Case PowerSSO-24? Exposed Bottom Pad  Supplier Device Package PowerSSO-24	Rds On (Typ)	12 mOhm (Max)
Fault Protection  Current Limiting (Fixed), Over Temperature, Over Voltage  -40°C ~ 150°C (TJ)  Package / Case  PowerSSO-24? Exposed Bottom Pad  Supplier Device Package  PowerSSO-24	Input Type	Non-Inverting
Operating Temperature -40°C ~ 150°C (TJ)  Package / Case PowerSSO-24? Exposed Bottom Pad  Supplier Device Package PowerSSO-24	Features	Auto Restart
Package / Case PowerSSO-24? Exposed Bottom Pad Supplier Device Package PowerSSO-24	Fault Protection	Current Limiting (Fixed), Over Temperature, Over Voltage
Supplier Device Package PowerSSO-24	Operating Temperature	$-40^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$
	Package / Case	PowerSSO-24? Exposed Bottom Pad
Report errors?	Supplier Device Package	PowerSSO-24
•		Report errors?

#### **VN5012SAK-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.

## **VN5012SAK-E Payment Methods**



















## **VN5012SAK-E Shipping Methods**













If you have any question about VN5012SAK-E, please do not hesitate to contact us!

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