

# VND7E050AJTR

est a Quote

### **VND7E050AJTR Information**

Part Number	VND7E050AJTR	
Manufacturer	STMicroelectronics	
Category	Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers	1
Description	DOUBLE-CHANNEL HSD WITH CURRENT	- 23
Package	16-PowerLFSOP (0.154", 3.90mm Width)	
	For the pricing/inventory/lead time, please contact	
	us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Req
	Manufacturer Category Description	PMIC - Power Distribution Switches, Load DriversDescriptionDOUBLE-CHANNEL HSD WITH CURRENTPackage16-PowerLFSOP (0.154", 3.90mm Width)For the pricing/inventory/lead time, please contactusWebsite: https://www.heisener.com

## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



## **VND7E050AJTR Specifications**

Manufacturer STMicroelectronics   Category Integrated Circuits (ICs)   PAckage 16-Power Distribution Switches, Load Drivers   Package 16-Power Distribution Switches, Load Drivers   Switch Type Automotive, AEC-Q100, VIPOWER <sup>TM</sup> Switch Type General Purpose   Number of Outputs 2   Ratio - Input:Output 1:1   Output Configuration High Side   Output Type N-Channel   Interface -   Voltage - Load 4V ~ 28V   Voltage - Supply (Vccc) 9A   Rds On (Typ) SomOhm   Input Type Non-Inverting   Features Auto Restart, Status Flag   Current Liniting (Eiged) Open Load Datect Over Temperature Over Voltage Short Circuit			
CategoryIntegrated Circuits (ICS)PMIC - Power Distribution Switches, Load DriversPackage16-Power Distribution Switches, Load DriversPackage16-Power Distribution Switches, Load DriversSwitch TypeAutomotive, AEC-Q100, VIPOWER™Switch TypeGeneral PurposeNumber of Outputs2Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelNuterface-Voltage - Load4V ~ 28VVoltage - Supply (Vcc)-Voltage - Supply (Vcc)-SonOhmSonOhmInput TypeNon-InvertingFeaturesAuto Restart, Status FlagFourter 1UvLOOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-PowerLSOP (0.154", 3.90mm Width)Supplier Device PackagePowerSSO-16	Manufacturer Part Number	VND7E050AJTR	
PMC - Power Distribution Switches, Load DriversPackage16-PowerLFSOP (0.154", 3.90mm Width)SeriesAutomotive, AEC-Q100, VIPOWER <sup>TM</sup> Switch TypeGeneral PurposeNumber of Outputs2Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterface-Voltage - Load4V ~ 28VVoltage - Supply (Vcc Vdd)-Output Type0Interface-Current - Output (Max)9ARads On (Typ)50mOhmInput TypeNon-InvertingFeaturesAuto Restart, Status FlagFault Protection40°C ~ 150°C (TJ)Package / Case16-PowerLFSOP (0.154", 3.90mm Width)Supplier Device PackagePowerSSO-16	Manufacturer	STMicroelectronics	
Package16-PowerLFSOP (0.154", 3.90mm Width)SeriesAutomotive, AEC-Q100, VIPOWERTMSwitch TypeGeneral PurposeNumber of Outputs2Ratio - Input:Output1.1Output ConfigurationHigh SideOutput TypeN-ChannelInterface-Voltage - Load4V ~ 28VVoltage - Supply (Vcc)9Output Type9Output Type9Output Type9Output Configuration9Surrent - Output Max)9PactageMon InvertingInput TypeNon-InvertingFauturesAuto Restart, Status FlagOperating Temperature-urent_Linuiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, Short Circuit, UVLOOperating Temperature-o°C ~ 150°C (TJ)Package / Case16-PowerLFSOP (0.154", 3.90mm Width)Supplier Device PackagePowerSO-16	Category	Integrated Circuits (ICs)	
SeriesAutomotive, AEC-Q100, VIPOWER™Switch TypeGeneral PurposeNumber of Outputs2Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterface-Voltage - Load4V ~ 28VVoltage - Supply (Vcc)-Voltage - Supply (Vcc)-Autonotium9ARds On (Typ)SomOhmInterfaceSomOhmInput TypeNon-InvertingRds On (Typ)SomOhmFeaturesAuto Restart, Status FlagFull Protection-Operating Temperature-40°C ~ 150°C (TJ)Package / CaseGowerSD-16Supplier Device PackageFowerSD-16		PMIC - Power Distribution Switches, Load Drivers	
Switch TypeGeneral PurposeNumber of Outputs2Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterface-Voltage - Load4V ~ 28VVoltage - Supply (Vcc Vdd)-Output Type9ARds On (Typ)SomOhmInput TypeNon-InvertingFeaturesAuto Restart, Status FlagFault Protection-Operating Temperature-40°C ~ 150°C (TJ)Package / CaseFowerLFSOP (0.154", 3.90mm Width)Supplier Device PackagePowerSSO-16	Package	16-PowerLFSOP (0.154", 3.90mm Width)	
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Ratio - Input: Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterface-Voltage - Load4V ~ 28VVoltage - Supply (Vcc Vdd)-Output Maxnow9ARds On (Typ)SomOhmInput TypeNon-InvertingFeaturesAtto Restart, Status FlagFault Protection-Operating Temperature-40°C ~ 150°C (TJ)Package / CasePowerSSOF (0.154", 3.90mm Width)Supplier Device PackagePowerSSO-16	Switch Type	General Purpose	
Output ConfigurationHigh SideOutput TypeN-ChannelInterface-Voltage - Load4V ~ 28VVoltage - Supply (Vcc Vdd)-Sourcet - Output (Max)9ARds On (Typ)SomOhmInput TypeNon-InvertingFeaturesAuto Restart, Status FlagFault Protection-Operating Temperature-40°C ~ 150°C (TJ)Package / CaseIowerJESOP (0.154", 3.90mm Width)Supplier Device PackagePowerSSO-16	Number of Outputs	2	
Output TypeN-ChannelInterface-Voltage - Load4V ~ 28VVoltage - Supply (Vcc Vdd)-Current - Output (Max)9ARds On (Typ)50mOhmInput TypeNon-InvertingFeaturesAuto Restart, Status FlagFault Protection-40°C ~ 150°C (TJ)Operating Temperature-40°C ~ 150°C (TJ)Package / CaseIoewerSEOP (0.154", 3.90mm Width)Supplier Device PackagePowerSSO-16	Ratio - Input:Output	1:1	
EventueFormationInterface-Voltage - Load4V ~ 28VVoltage - Supply (Vcc (Vdd)-Current - Output (Max)9ARds On (Typ)50mOhmInput TypeNon-InvertingFeaturesAuto Restart, Status FlagFault Protection-Operating Temperature-40°C ~ 150°C (TJ)Package / Case16-PowerLFSOP (0.154", 3.90mm Width)Supplier Device PackagePowerSSO-16	Output Configuration	High Side	
Voltage - Load4V ~ 28VVoltage - Supply (Vcc Vdd)-Current - Output (Max)9ARds On (Typ)50mOhmInput TypeNon-InvertingFeaturesNon-InvertingFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over Supplice Supplier CaseOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-PowerLFSOP (0.154", 3.90mm Width)PowerSNO-16	Output Type	N-Channel	
Notage - Supply (Vcc Vdd)	Interface	-	
/Vdd)-Current - Output (Max)9ARds On (Typ)50mOhmInput TypeNon-InvertingFeaturesNon-InvertingFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, Short Circuit, UVLOOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-PowerLFSOP (0.154", 3.90mm Width)Supplier Device PackagePowerSSO-16	Voltage - Load	$4V \sim 28V$	
Rds On (Typ)50mOhmInput TypeNon-InvertingFeaturesAuto Restart, Status FlagFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, Short Circuit, UVLOOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-PowerLFSOP (0.154", 3.90mm Width)Supplier Device PackagePowerSSO-16	Voltage - Supply (Vcc /Vdd)	-	
Input TypeNon-InvertingFeaturesAuto Restart, Status FlagFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, Short Circuit, UVLOOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-PowerLFSOP (0.154", 3.90mm Width)Supplier Device PackagePowerSSO-16	Current - Output (Max)	9A	
FeaturesAuto Restart, Status FlagFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, Short Circuit, UVLOOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-PowerLFSOP (0.154", 3.90mm Width)Supplier Device PackagePowerSSO-16	Rds On (Typ)	50mOhm	
Fault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, Short Circuit, UVLOOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-PowerLFSOP (0.154", 3.90mm Width)Supplier Device PackagePowerSSO-16	Input Type	Non-Inverting	
Path ProtectionUVLOOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-PowerLFSOP (0.154", 3.90mm Width)Supplier Device PackagePowerSSO-16	Features	Auto Restart, Status Flag	
Package / Case16-PowerLFSOP (0.154", 3.90mm Width)Supplier Device PackagePowerSSO-16	Fault Protection		
Supplier Device Package PowerSSO-16	Operating Temperature	-40°C ~ 150°C (TJ)	
	Package / Case	16-PowerLFSOP (0.154", 3.90mm Width)	
Report errors?	Supplier Device Package	PowerSSO-16	
		Report errors?	

#### **VND7E050AJTR 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.

#### VND7E050AJTR Payment Methods



## VND7E050AJTR Shipping Methods



If you have any question about VND7E050AJTR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com