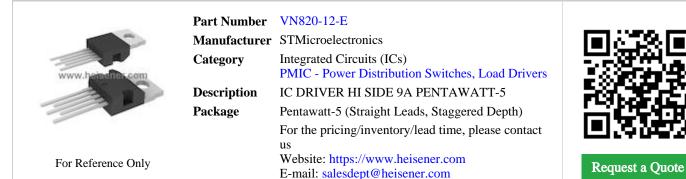


VN820-12-Е

VN820-12-E Information



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.



VN820-12-E Specifications

Manufacturer STMicroelectronics Category Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers PMIC - Power Distribution Switches, Load Drivers Package Pentawatt-5 (Straight Leads, Staggered Depth) Series - Switch Type General Purpose Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration High Side Output Type Nordf Voltage - Load S.5 V ~ 36 V Voltage - Supply (Vcc/Vdd) Not Required Rds On (Typ) Au Onhm (Max) Rds On (Typ) Non-Inverting Features Auto Restart, Status Flag Fautres Auto Restart, Status Flag Faut Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature entawatt-5 (Straight Leads, Staggered Depth)		
CategoryIntegrated Circuits (ICs)PMIC - Power Distribution Switches, Load DriversPackagePentawatt-5 (Straight Leads, Staggered Depth)Series-Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeNor ChannelVoltage - Load5.5 V ~ 36 VVoltage - Supply (Vcc/Vd)Not RequiredNor RequiredSoft ContentCurrent - Output (Max)9ARds On (Typ)Non-InvertingFeaturesAuto Restart, Status FlagFull ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperatureentawatt-5 (Straight Leads, Staggered Depth)Package / CaseS-PENTAWATT	Manufacturer Part Number	VN820-12-Е
PMIC - Power Distribution Switches, Load DriversPackagePentawatt-5 (Straight Leads, Staggered Depth)Series-Switch TypeGeneral PurposeNumber of OutputsIRatio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load5.5 V ~ 36 VVoltage - Supply (Vcc/Vd)Not RequiredRds On (Typ)40 mOhm (Max)Rds On (Typ)Aon-InvertingFeaturesAuto Restart, Status FlagFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CaseS-PENTAWATT	Manufacturer	STMicroelectronics
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Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load5.5 V ~ 36 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)9ARds On (Typ)Non-InvertingInput TypeNon-InvertingFeaturesAuto Restart, Status FlagFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / Case5-PENTAWATT	Package	Pentawatt-5 (Straight Leads, Staggered Depth)
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Voltage - Load5.5 V ~ 36 VVoltage - Supply (Vcc/Vd)Not RequiredCurrent - Output (Max)9ARds On (Typ)40 mOhm (Max)Input TypeNon-InvertingFeaturesAuto Restart, Status FlagFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CasePentawatt-5 (Straight Leads, Staggered Depth)Supplier Device Package5-PENTAWATT	Output Type	N-Channel
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Current - Output (Max)9ARds On (Typ)40 mOhm (Max)Input TypeNon-InvertingFeaturesAuto Restart, Status FlagFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CasePentawatt-5 (Straight Leads, Staggered Depth)Supplier Device Package5-PENTAWATT	Voltage - Load	5.5 V ~ 36 V
Rds On (Typ)40 mOhm (Max)Input TypeNon-InvertingFeaturesAuto Restart, Status FlagFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CasePentawatt-5 (Straight Leads, Staggered Depth)Supplier Device Package5-PENTAWATT	Voltage - Supply (Vcc/Vdd)	Not Required
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FeaturesAuto Restart, Status FlagFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CasePentawatt-5 (Straight Leads, Staggered Depth)Supplier Device Package5-PENTAWATT	Rds On (Typ)	40 mOhm (Max)
Fault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CasePentawatt-5 (Straight Leads, Staggered Depth)Supplier Device Package5-PENTAWATT	Input Type	Non-Inverting
Operating Temperature-40°C ~ 150°C (TJ)Package / CasePentawatt-5 (Straight Leads, Staggered Depth)Supplier Device Package5-PENTAWATT	Features	Auto Restart, Status Flag
Package / CasePentawatt-5 (Straight Leads, Staggered Depth)Supplier Device Package5-PENTAWATT	Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Supplier Device Package 5-PENTAWATT	Operating Temperature	-40°C ~ 150°C (TJ)
	Package / Case	Pentawatt-5 (Straight Leads, Staggered Depth)
Report errors?	Supplier Device Package	5-PENTAWATT
		Report errors?

VN820-12-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 GUARANTEE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.



If you have any question about VN820-12-E, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com