



NN30195A-VB Information

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For Reference Only

Part Number NN30195A-VB

Manufacturer Panasonic Electronic Components

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - DC DC Switching

Regulators

Description IC REG BUCK ADJ 6A SYNC 24HVQFN

Package 24-WFQFN 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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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.









NN30195A-VB Specifications

Series -	•	
Category Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Regulators Package 24-WFQFN Exposed Pad Series - Function Step-Down Output Configuration Positive Topology Buck Output Type Adjustable Number of Outputs 1 Voltage - Input (Min) 4.5V Voltage - Input (Max) 5.6V Voltage - Output (Min/Fixed) 0.6V Voltage - Output (Max) 3.5V Current - Output 6A Frequency - Switching 500kHz, 1MHz, 2MHz Synchronous Rectifier Yes Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 24-WFQFN Exposed Pad Supplier Device Package 24-QFN (4x4)	Manufacturer Part Number	NN30195A-VB
Package 24-WFQFN Exposed Pad Series - Function Step-Down Output Configuration Positive Topology Buck Output Type Adjustable Number of Outputs 1 Voltage - Input (Min) 4.5V Voltage - Input (Max) 5.6V Voltage - Output (Min/Fixed) 0.6V Voltage - Output (Max) 3.5V Current - Output A Frequency - Switching 500kHz, 1MHz, 2MHz Synchronous Rectifier Yes Operating Temperature 40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 24-WFQFN Exposed Pad Surplice Device Package 24-QFN (4x4)	Manufacturer	Panasonic Electronic Components
Package 24-WFQFN Exposed Pad Series - Function Step-Down Output Configuration Positive Topology Buck Output Type Adjustable Number of Outputs 1 Voltage - Input (Min) 4.5V Voltage - Input (Max) 5.6V Voltage - Output (Min/Fixed) 0.6V Voltage - Output (Max) 3.5V Current - Output 6A Frequency - Switching 500kHz, 1MHz, 2MHz Synchronous Rectifier Yes Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 24-WFQFN Exposed Pad Supplier Device Package 24-QFN (4x4)	Category	Integrated Circuits (ICs)
Series - Function Step-Down Output Configuration Positive Topology Buck Output Type Adjustable Number of Outputs 1 Voltage - Input (Min) 4.5V Voltage - Input (Max) 5.6V Voltage - Output (Min/Fixed) 0.6V Voltage - Output (Max) 3.5V Current - Output (Max) 5.0V Current - Output (Max) 5.0V Current - Output (Max) 3.5V Current - Output (Max) 5.0V Current - Output (Max) 5.0V Current - Output (Max) 6.A Frequency - Switching 500kHz, 1MHz, 2MHz Synchronous Rectifier Yes Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 24-WFQFN Exposed Pad Supplier Device Package 24-QFN (4x4)		PMIC - Voltage Regulators - DC DC Switching Regulators
Function Step-Down Output Configuration Positive Topology Buck Output Type Adjustable Number of Outputs 1 Voltage - Input (Min) 4.5V Voltage - Input (Max) 5.6V Voltage - Output (Min/Fixed) 0.6V Voltage - Output (Max) 3.5V Current - Output Frequency - Switching 500kHz, 1MHz, 2MHz Synchronous Rectifier Yes Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 24-WFQFN Exposed Pad Supplier Device Package 24-QFN (4x4)	Package	24-WFQFN Exposed Pad
Output Configuration Positive Topology Buck Output Type Adjustable Number of Outputs 1 Voltage - Input (Min) 4.5V Voltage - Input (Max) 5.6V Voltage - Output (Min/Fixed) 0.6V Voltage - Output (Max) 3.5V Current - Output 6A Frequency - Switching 500kHz, 1MHz, 2MHz Synchronous Rectifier Yes Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 24-WFQFN Exposed Pad Supplier Device Package 24-QFN (4x4)	Series	-
Topology Output Type Adjustable Number of Outputs 1 Voltage - Input (Min) Voltage - Input (Max) Voltage - Output (Min/Fixed) Voltage - Output (Min/Fixed) Voltage - Output (Max) 3.5V Current - Output 6A Frequency - Switching Synchronous Rectifier Yes Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case Supplier Device Package 24-QFN (4x4)	Function	Step-Down
Output Type Adjustable Number of Outputs 1 Voltage - Input (Min) 4.5V Voltage - Input (Max) 5.6V Voltage - Output (Min/Fixed) 0.6V Voltage - Output (Max) 3.5V Current - Output (Max) 6A Frequency - Switching 500kHz, 1MHz, 2MHz Synchronous Rectifier Yes Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 24-WFQFN Exposed Pad Supplier Device Package 24-QFN (4x4)	Output Configuration	Positive
Number of Outputs Voltage - Input (Min) 4.5V Voltage - Input (Max) 5.6V Voltage - Output (Min/Fixed) 0.6V Voltage - Output (Max) 3.5V Current - Output 6A Frequency - Switching 500kHz, 1MHz, 2MHz Synchronous Rectifier Yes Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 24-WFQFN Exposed Pad Supplier Device Package	Topology	Buck
Voltage - Input (Min) Voltage - Input (Max) 5.6V Voltage - Output (Min/Fixed) Voltage - Output (Min/Fixed) Voltage - Output (Max) 3.5V Current - Output 6A Frequency - Switching 500kHz, 1MHz, 2MHz Synchronous Rectifier Yes Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 24-WFQFN Exposed Pad Supplier Device Package 24-QFN (4x4)	Output Type	Adjustable
Voltage - Input (Max) Voltage - Output (Min/Fixed) Voltage - Output (Max) 3.5V Current - Output 6A Frequency - Switching 500kHz, 1MHz, 2MHz Synchronous Rectifier Yes Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 24-WFQFN Exposed Pad Supplier Device Package	Number of Outputs	1
Voltage - Output (Min/Fixed) Voltage - Output (Max) 3.5V Current - Output 6A Frequency - Switching 500kHz, 1MHz, 2MHz Synchronous Rectifier Yes Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 24-WFQFN Exposed Pad Supplier Device Package 24-QFN (4x4)	Voltage - Input (Min)	4.5V
Voltage - Output (Max) Current - Output 6A Frequency - Switching Synchronous Rectifier Yes Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 24-WFQFN Exposed Pad Supplier Device Package 24-QFN (4x4)	Voltage - Input (Max)	5.6V
Current - Output 6A Frequency - Switching 500kHz, 1MHz, 2MHz Synchronous Rectifier Yes Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 24-WFQFN Exposed Pad Supplier Device Package 24-QFN (4x4)	Voltage - Output (Min/Fixed)	0.6V
Frequency - Switching 500kHz, 1MHz, 2MHz Synchronous Rectifier Yes Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 24-WFQFN Exposed Pad Supplier Device Package 24-QFN (4x4)	Voltage - Output (Max)	3.5V
Synchronous Rectifier Yes Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Mounting Type Surface Mount Package / Case 24-WFQFN Exposed Pad Supplier Device Package 24-QFN (4x4)	Current - Output	6A
Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 24-WFQFN Exposed Pad Supplier Device Package 24-QFN (4x4)	Frequency - Switching	500kHz, 1MHz, 2MHz
Mounting Type Surface Mount Package / Case 24-WFQFN Exposed Pad Supplier Device Package 24-QFN (4x4)	Synchronous Rectifier	Yes
Package / Case 24-WFQFN Exposed Pad Supplier Device Package 24-QFN (4x4)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 24-QFN (4x4)	Mounting Type	Surface Mount
	Package / Case	24-WFQFN Exposed Pad
Report errors?	Supplier Device Package	24-QFN (4x4)
		Report errors?

NN30195A-VB 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.

NN30195A-VB Payment Methods



















NN30195A-VB Shipping Methods













If you have any question about NN30195A-VB, please do not hesitate to contact us!

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