

ATA6831N-PIQW

ATA6831N-PIQW Information

	Part Number	ATA6831N-PIQW	
E	Manufacturer	Microchip Technology	
	Category	Integrated Circuits (ICs) PMIC - Motor Drivers, Controllers	
	Description	IC MOTOR DRIVER SER 18QFN	
	Package	18-VFQFN Exposed Pad	
		For the pricing/inventory/lead time, please contact us	
For Reference Only		Website: https://www.heisener.com E-mail: salesdept@heisener.com	



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ATA6831N-PIQW Specifications

Manufacturer Microchip Technology Manufacturer Microchip Technology Integrated Circuits (ICs) PMIC - Motor Drivers, Controllers Package 18-VFQFN Exposed Pad Series - Motor Type - Stepper - Motor Type - AC, DC Brushed DC Function Driver - Fully Integrated, Control and Power Stage Output Configuration Half Bridge (3) Interface PWM, SPI Technology - Applications General Purpose Current - Output 1A Voltage - Supply 4.75 V ~ 5.25 V Voltage - Load 5.67 ~ 40 V Operating Temperature 40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 18-VFQFN Exposed Pad			
CategoryIntegrated Circuits (ICs)PackagePMIC - Motor Drivers, ControllersPackage18-VFQFN Exposed PadSeries-Motor Type - Stepper-Motor Type - AC, DCBrushed DCDurput ConfigurationDriver - Fully Integrated, Control and Power StageOutput ConfigurationHalf Bridge (3)InterfacePWM, SPITechnology-Step Resolution-ApplicationsGeneral PurposeCurrent - Output1AVoltage - Supply4.75 V ~ 5.25 VVoltage - Load5.6 V ~ 40 VOperating Temperature40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case18-VFQFN Exposed PadSupplier Device Package18-VQFN (4x4)	Manufacturer Part Number	ATA6831N-PIQW	
PMIC - Motor Drivers, ControllersPackage18-VFQFN Exposed PadSeries-Motor Type - Stepper-Motor Type - AC, DCBrushed DCFunctionDriver - Fully Integrated, Control and Power StageDutput ConfigurationHalf Bridge (3)InterfacePWM, SPITechnologyPower MOSFETStep Resolution-ApplicationsGeneral PurposeCurrent - Output1AVoltage - Supply5.6 V ~ 40 VVoltage - Load5.6 V ~ 40 VOperating Temperature4.0°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case18-VQFN (4x4)	Manufacturer	Microchip Technology	
Package18-VFQFN Exposed PadSeries-Motor Type - Stepper-Motor Type - AC, DCBrushed DCFunctionDriver - Fully Integrated, Control and Power StageOutput ConfigurationHalf Bridge (3)InterfacePWM, SPITechnology-Step Resolution-ApplicationsGeneral PurposeCurrent - Output1AVoltage - Supply5.6 V ~ 40 VVoltage - Load5.6 V ~ 40 VOperating Temperature-40°C ~ 150°C (TJ)Mounting Type18-VFQFN Exposed PadPackage / Case18-VQFN (4x4)	Category	Integrated Circuits (ICs)	
Series-Motor Type - Stepper-Motor Type - AC, DCBrushed DCFunctionDriver - Fully Integrated, Control and Power StageOutput ConfigurationHalf Bridge (3)InterfacePWM, SPITechnologyPower MOSFETStep Resolution-ApplicationsGeneral PurposeCurrent - Output1AVoltage - Supply4.75 V ~ 5.25 VVoltage - Load5.6 V ~ 40 VOperating Temperature40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case18-VQFN Exposed PadSupplier Device Package18-VQFN (4x4)		PMIC - Motor Drivers, Controllers	
Motor Type - Stepper-Motor Type - AC, DCBrushed DCFunctionDriver - Fully Integrated, Control and Power StageOutput ConfigurationHalf Bridge (3)InterfacePWM, SPITechnologyPower MOSFETStep Resolution-ApplicationsGeneral PurposeCurrent - Output1AVoltage - Supply4.75 V ~ 5.25 VVoltage - Load5.6 V ~ 40 VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case18-VFQFN Exposed PadSupplier Device Package18-VQFN (4x4)	Package	18-VFQFN Exposed Pad	
Motor Type - AC, DCBrushed DCFunctionDriver - Fully Integrated, Control and Power StageOutput ConfigurationHalf Bridge (3)InterfacePWM, SPITechnologyPower MOSFETStep Resolution-ApplicationsGeneral PurposeCurrent - Output1AVoltage - Supply5.6 V ~ 5.25 VVoltage - Load5.6 V ~ 40 VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case18-VQFN Exposed PadSupplier Device Package18-VQFN (4x4)	Series	-	
FunctionDriver - Fully Integrated, Control and Power StageOutput ConfigurationHalf Bridge (3)InterfacePWM, SPITechnologyPower MOSFETStep Resolution-ApplicationsGeneral PurposeCurrent - Output1AVoltage - Supply5.6 V ~ 40 VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case18-VFQFN Exposed PadSupplier Device Package18-VQFN (4x4)	Motor Type - Stepper	-	
Output ConfigurationHalf Bridge (3)InterfacePWM, SPITechnologyPower MOSFETStep Resolution-ApplicationsGeneral PurposeCurrent - Output1AVoltage - Supply4.75 V ~ 5.25 VVoltage - Load5.6 V ~ 40 VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case18-VFQFN Exposed PadSupplier Device Package18-VQFN (4x4)	Motor Type - AC, DC	Brushed DC	
InterfacePWM, SPITechnologyPower MOSFETStep Resolution-ApplicationsGeneral PurposeCurrent - Output1AVoltage - Supply4.75 V ~ 5.25 VVoltage - Load5.6 V ~ 40 VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case18-VFQFN Exposed PadSupplier Device Package18-VQFN (4x4)	Function	Driver - Fully Integrated, Control and Power Stage	
TechnologyPower MOSFETStep Resolution-ApplicationsGeneral PurposeCurrent - Output1AVoltage - Supply4.75 V ~ 5.25 VVoltage - Load5.6 V ~ 40 VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case18-VFQFN Exposed PadSupplier Device Package18-VQFN (4x4)	Output Configuration	Half Bridge (3)	
Step Resolution-ApplicationsGeneral PurposeCurrent - Output1AVoltage - Supply4.75 V ~ 5.25 VVoltage - Load5.6 V ~ 40 VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case18-VFQFN Exposed PadSupplier Device Package18-VQFN (4x4)	Interface	PWM, SPI	
ApplicationsGeneral PurposeCurrent - Output1AVoltage - Supply4.75 V ~ 5.25 VVoltage - Load5.6 V ~ 40 VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case18-VFQFN Exposed PadSupplier Device Package18-VQFN (4x4)	Technology	Power MOSFET	
Current - Output1AVoltage - Supply4.75 V ~ 5.25 VVoltage - Load5.6 V ~ 40 VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case18-VFQFN Exposed PadSupplier Device Package18-VQFN (4x4)	Step Resolution	-	
Voltage - Supply4.75 V ~ 5.25 VVoltage - Load5.6 V ~ 40 VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case18-VFQFN Exposed PadSupplier Device Package18-VQFN (4x4)	Applications	General Purpose	
Voltage - Load5.6 V ~ 40 VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case18-VFQFN Exposed PadSupplier Device Package18-VQFN (4x4)	Current - Output	1A	
Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case18-VFQFN Exposed PadSupplier Device Package18-VQFN (4x4)	Voltage - Supply	4.75 V ~ 5.25 V	
Mounting TypeSurface MountPackage / Case18-VFQFN Exposed PadSupplier Device Package18-VQFN (4x4)	Voltage - Load	5.6 V ~ 40 V	
Package / Case18-VFQFN Exposed PadSupplier Device Package18-VQFN (4x4)	Operating Temperature	-40°C ~ 150°C (TJ)	
Supplier Device Package 18-VQFN (4x4)	Mounting Type	Surface Mount	
	Package / Case	18-VFQFN Exposed Pad	
Report errors?	Supplier Device Package	18-VQFN (4x4)	
		Report errors?	

ATA6831N-PIQW 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.

ATA6831N-PIQW Payment Methods





If you have any question about ATA6831N-PIQW, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com