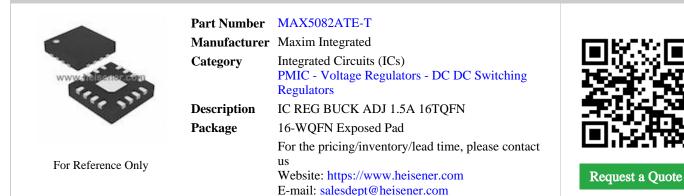


# **MAX5082ATE-T**

#### **MAX5082ATE-T 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.



# **MAX5082ATE-T Specifications**

ManufacturerMaxim IntegratedCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage16-WQFN Exposed PadSteries-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)4.5VVoltage - Input (Min/Fixed)1.23VVoltage - Output (Min/Fixed)32VVoltage - Output (Max)50kHzSynchronous RectifierNoOutput Type4.0°C ~ 125°C (TJ)Mounting Type6.40QFN Exposed PadSupplier Device Package1.6QFN Exposed Pad		
CategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - DC DC Switching RegulatorsPackage16-WQFN Exposed PadSeries-FunctionStep-DownOutput ConfigurationStep-DownOutput ConfigurationBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)4.5VVoltage - Output (Min/Fixed)1.23VVoltage - Output (Min/Fixed)32VCurrent - Output1.5AFrequency - Switching250kHzSynchronous RectifierNoOperating Temperature4.40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-TQFN (5x5)	Manufacturer Part Number	MAX5082ATE-T
PackagePMIC - Voltage Regulators - DC DC Switching RegulatorsPackage16-WQFN Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositiveBuck0utput TypeOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)4.5VVoltage - Output (Min/Fixed)1.23VVoltage - Output (Min/Fixed)32VCurrent - Output1.5AFrequency - Switching250kHzSynchronous RectifierNoOperating Temperature4.40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-TQFN (5x5)	Manufacturer	Maxim Integrated
Package16-WQFN Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)4.5VVoltage - Input (Min/Fixed)1.23VVoltage - Output (Min/Fixed)32VCurrent - Output1.5AFrequency - Switching250kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting Type6-WQFN Exposed PadSupplier Device Package16-TQFN (5x5)	Category	Integrated Circuits (ICs)
Series-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)4.5VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)1.23VVoltage - Output (Max)32VCurrent - Output1.5AFrequency - Switching250kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-TQFN (5x5)		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableOutput Type1Number of Outputs4.5VVoltage - Input (Min)4.5VVoltage - Output (Min/Fixed)1.23VVoltage - Output (Max)32VCurrent - Output1.5AFrequency - Switching250kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeGurden MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-TQFN (5x5)	Package	16-WQFN Exposed Pad
Output Configuration Positive   Topology Buck   Output Type Adjustable   Number of Outputs 1   Voltage - Input (Min) 4.5V   Voltage - Input (Max) 40V   Voltage - Output (Min/Fixed) 1.23V   Voltage - Output (Max) 32V   Current - Output 1.5A   Frequency - Switching 250kHz   Synchronous Rectifier No   Operating Temperature -40°C ~ 125°C (TJ)   Mounting Type Surface Mount   Package / Case 16-WQFN Exposed Pad   Supplier Device Package 16-TQFN (5x5)	Series	-
TopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)4.5VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)1.23VVoltage - Output (Max)32VCurrent - Output1.5AFrequency - Switching250kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-TQFN (5x5)	Function	Step-Down
Output TypeAdjustableOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)4.5VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)1.23VVoltage - Output (Max)32VCurrent - Output1.5AFrequency - Switching250kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-TQFN (5x5)	Output Configuration	Positive
Number of Outputs1Voltage - Input (Min)4.5VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)1.23VVoltage - Output (Max)32VCurrent - Output1.5AFrequency - Switching250kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-TQFN (5x5)	Topology	Buck
Voltage - Input (Min)4.5VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)1.23VVoltage - Output (Max)32VCurrent - Output1.5AFrequency - Switching250kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-TQFN (5x5)	Output Type	Adjustable
Voltage - Input (Max)40VVoltage - Output (Min/Fixed)1.23VVoltage - Output (Max)32VCurrent - Output1.5AFrequency - Switching250kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-TQFN (5x5)	Number of Outputs	1
Voltage - Output (Min/Fixed)1.23VVoltage - Output (Max)32VCurrent - Output1.5AFrequency - Switching250kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-TQFN (5x5)	Voltage - Input (Min)	4.5V
Voltage - Output (Max)32VCurrent - Output1.5AFrequency - Switching250kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-TQFN (5x5)	Voltage - Input (Max)	40V
Current - Output1.5AFrequency - Switching250kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-TQFN (5x5)	Voltage - Output (Min/Fixed)	1.23V
Frequency - Switching250kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-TQFN (5x5)	Voltage - Output (Max)	32V
NoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-TQFN (5x5)	Current - Output	1.5A
Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-TQFN (5x5)	Frequency - Switching	250kHz
Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-TQFN (5x5)	Synchronous Rectifier	No
Package / Case16-WQFN Exposed PadSupplier Device Package16-TQFN (5x5)	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package16-TQFN (5x5)	Mounting Type	Surface Mount
	Package / Case	16-WQFN Exposed Pad
Report errors?	Supplier Device Package	16-TQFN (5x5)
		Report errors?

#### **MAX5082ATE-T 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 EUARANTEE

#### **Service Guarantees**

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

# MAX5082ATE-T Payment Methods



# MAX5082ATE-T Shipping Methods



If you have any question about MAX5082ATE-T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com