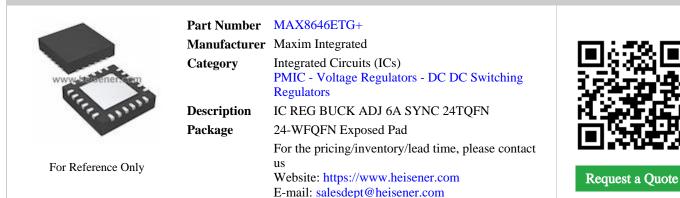


MAX8646ETG+

MAX8646ETG+ 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.



MAX8646ETG+ Specifications

Manufacturer Part Number MAX8646ETG+ Manufacturer Maxim Integrated Category Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Regulators 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) 2.35V Voltage - Output (Min/Fixed) 0.6V Voltage - Output (Min/Fixed) 3.6V Voltage - Output (Min/Fixed) 3.24V Current - Output 6A Frequency - Switching 500kHz ~ 2MHz Synchronous Rectifier Yes Operating Temperature 4.0°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 24-WFQFN Exposed Pad Supplier Device Package 24-WFQFN Exposed Pad		
CategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - DC DC Switching RegulatorsPackage24-WFQFN Exposed PadSeries-FunctionStep-DownOutput ConfigurationStep-DownOutput ConfigurationBuckOutput TypeAdjustableOutput Type1Voltage - Input (Min)2.35VVoltage - Output (Min/Fixed)3.6VVoltage - Output (Min/Fixed)3.24VVoltage - Output (Min/Fixed)5.00kHz ~ 20MHzCurrent - Output6AFrequency - SwitchingSoukIz ~ 20MHzSynchronous RectifierYesOperating Temperature4.0°C ~ 85°C (TA)Mounting Type2.4WFQFN Exposed PadSupplier Device Package2.4UFQFN (4x4)	Manufacturer Part Number	MAX8646ETG+
PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage24-WFQFN Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3.6VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Min/Fixed)3.24VVoltage - Output (Min/Fixed)500kHz ~ 20MHzVoltage - Output (Min/Fixed)500kHz ~ 20MHzVoltage - Output (Max)500kHz ~ 20MHzVoltage - Output (Max)500kHz ~ 20MHzSynchronous RectifierYesOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case24-WFQFN Exposed PadSupplier Device Package24-TQFN (4x4)	Manufacturer	Maxim Integrated
Package24-WFQFN Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.35VVoltage - Input (Max)3.6VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)3.24VCurrent - Output6AFrequency - Switching500kHz ~ 2MHzSynchronous Rectifier40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case24-WFQFN Exposed PadSupplier Device Package24-TQFN (4x4)	Category	Integrated Circuits (ICs)
Series.FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.35VVoltage - Input (Max)3.6VVoltage - Output (Max)0.6VVoltage - Output (Max)3.24VCurrent - Output6AFrequency - Switching500kHz ~ 2MHzSynchronous RectifierYesOperating Temperature4.0°C ~ 85°C (TA)Mounting Type24-WFQFN Exposed PadSupplier Device Package24-TQFN (4x4)		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableOutput Type1Voltage - Input (Min)2.35VVoltage - Output (Min/Fixed)3.6VVoltage - Output (Min/Fixed)3.24VOutput - Output6AFrequency - Switching500kHz ~ 2MHzSynchronous RectifierYesOutput Type4.0°C ~ 85°C (TA)Mounting Type2.4VQEN Exposed PadSupplier Device Package2.4VQEN Exposed PadSupplier Device Package2.4VQEN (Exposed PadSupplier Device Package2.4VQEN (Exposed Pad	Package	24-WFQFN Exposed Pad
Output ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.35VVoltage - Input (Max)3.6VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)3.24VCurrent - Output6AFrequency - Switching500kHz ~ 2MHzSynchronous RectifierYesOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case24-WFQFN Exposed PadSupplier Device Package24-TQFN (4x4)	Series	-
ToplogyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.35VVoltage - Input (Max)3.6VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)3.24VCurrent - Output6AFrequency - Switching500kHz ~ 2MHzSynchronous Rectifier-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case24-WFQFN Exposed PadSupplier Device Package24-TQFN (4x4)	Function	Step-Down
ProcessionAdjustableOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.35VVoltage - Input (Max)3.6VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)3.24VCurrent - Output6AFrequency - Switching500kHz ~ 2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case24-WFQFN Exposed PadSupplier Device Package24-TQFN (4x4)	Output Configuration	Positive
Number of Outputs1Voltage - Input (Min)2.35VVoltage - Input (Max)3.6VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)3.24VCurrent - Output6AFrequency - Switching500kHz ~ 2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case24-WFQFN Exposed PadSupplier Device Package24-TQFN (4x4)	Topology	Buck
Voltage - Input (Min) 2.35V Voltage - Input (Max) 3.6V Voltage - Output (Min/Fixed) 0.6V Voltage - Output (Max) 3.24V Current - Output 6A Frequency - Switching 500kHz ~ 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-TQFN (4x4)	Output Type	Adjustable
Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)3.24VCurrent - Output6AFrequency - Switching500kHz ~ 2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case24-WFQFN Exposed PadSupplier Device Package24-TQFN (4x4)	Number of Outputs	1
Voltage - Output (Min/Fixed) 0.6V Voltage - Output (Max) 3.24V Current - Output 6A Frequency - Switching 500kHz ~ 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-TQFN (4x4)	Voltage - Input (Min)	2.35V
Voltage - Output (Max)3.24VCurrent - Output6AFrequency - Switching500kHz ~ 2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case24-WFQFN Exposed PadSupplier Device Package24-TQFN (4x4)	Voltage - Input (Max)	3.6V
Current - Output6AFrequency - Switching500kHz ~ 2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case24-WFQFN Exposed PadSupplier Device Package24-TQFN (4x4)	Voltage - Output (Min/Fixed)	0.6V
Frequency - Switching500kHz ~ 2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case24-WFQFN Exposed PadSupplier Device Package24-TQFN (4x4)	Voltage - Output (Max)	3.24V
Synchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case24-WFQFN Exposed PadSupplier Device Package24-TQFN (4x4)	Current - Output	6A
Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case24-WFQFN Exposed PadSupplier Device Package24-TQFN (4x4)	Frequency - Switching	500kHz ~ 2MHz
Mounting TypeSurface MountPackage / Case24-WFQFN Exposed PadSupplier Device Package24-TQFN (4x4)	Synchronous Rectifier	Yes
Package / Case24-WFQFN Exposed PadSupplier Device Package24-TQFN (4x4)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 24-TQFN (4x4)	Mounting Type	Surface Mount
	Package / Case	24-WFQFN Exposed Pad
Report errors?	Supplier Device Package	24-TQFN (4x4)
		Report errors?

MAX8646ETG+ 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.

MAX8646ETG+ Payment Methods



MAX8646ETG+ Shipping Methods



If you have any question about MAX8646ETG+, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com