

TPS40000DGQG4

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TPS40000DGQG4 Information

	Part Number	TPS40000DGQG4	
When the series of the series	Manufacturer	Texas Instruments	
	Category	Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Controllers	
	Description	IC REG CTRLR BUCK 10MSOP	
	Package	10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad	- ñ%2
For Reference Only		For the pricing/inventory/lead time, please contact	
		us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Q

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TPS40000DGQG4 Specifications

Manufacturer Part Number TPS4000DGQG4 Manufacturer Texas Instruments Category Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Controllers Package 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Series - Output Type Transistor Driver Function Step-Down Output Configuration Positive Youtput Phases 1 Voltage Supply (Vcc/Vdd) 1 Voltage Supply (Vcc/Vdd) 2,25 V ~ 5.5 V Synchronous Rectifier Sool Synchronous Rectifiers No Scrial Interfaces - Output Frequency Case No Sprial Interfaces - Output Frequency - Sprial Interfaces - Output Frequency - Output Frequency - Sprial Interfaces - Output Frequency	~ I			
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching ControllersPackage10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationSeriesTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.25 V ~ 5.5 VFrequency - Switching300kHzSynchronous RectifierNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Soft StartOperating Temperature4.0°C ~ 85°C (TA)Package / Case10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP (0.118", 3.00mm Width) Exposed Pad	Manufacturer Part Number	TPS40000DGQG4		
MIC - Voltage Regulators - DC DC Switching ControllersPackage10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.25 V ~ 5.5 VFrequency - Switching300kHzDuty Cycle (Max)94%Synchronous RectifierVolSerial Interfaces-Control FeaturesCurrent Limit, Enable, Soft StartOperating Temperature440°C ~ 85°C (TA)Package / Case10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Manufacturer	Texas Instruments		
Package10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.25 V ~ 5.5 VFrequency - Switching300kHzDuty Cycle (Max)94%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case10-MSOP-PowerPad	Category	Integrated Circuits (ICs)		
Series-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.25 V ~ 5.5 VFrequency - Switching300kHzDuty Cycle (Max)94%Synchronous RectifierYesClock SyncNoSerial Interfaces-Outrout Features-Output Type-Output Faces-Spreing Temperature-40°C ~ 85°C (TA)Package / CaseIo-MSOP-PowerPadSupplier Device PackageIo-MSOP-PowerPad		PMIC - Voltage Regulators - DC DC Switching Controllers		
Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.25 V ~ 5.5 VFrequency - Switching300kHzDuty Cycle (Max)YesSynchronous RectifierYesClock SyncNoSerial Interfaces-Output Features40°C ~ 85°C (TA)Package / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Package	10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad		
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Output Phases2.25 V ~ 5.5 VFrequency - Switching300kHzDuty Cycle (Max)94%Synchronous RectifierYesClock Sync-Serial Interfaces-Output FeaturesCurrent Limit, Enable, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case10-MSOP·OwerPad	Series	-		
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TopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.25 V ~ 5.5 VFrequency - Switching300kHzDuty Cycle (Max)94%Synchronous RectifierYesClock SyncNoSerial Interfaces-Output FeaturesCurrent Limit, Enable, Soft StartOperating Temperature40°C ~ 85°C (TA)Package / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Function	Step-Down		
Number of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.25 V ~ 5.5 VFrequency - Switching300kHzDuty Cycle (Max)94%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Output Configuration	Positive		
Output Phases1Voltage - Supply (Vcc/Vdd)2.25 V ~ 5.5 VFrequency - Switching300kHzDuty Cycle (Max)94%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Topology	Buck		
Voltage - Supply (Vcc/Vdd)2.25 V ~ 5.5 VFrequency - Switching300kHzDuty Cycle (Max)94%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Number of Outputs	1		
Frequency - Switching300kHzDuty Cycle (Max)94%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Output Phases	1		
Duty Cycle (Max)94%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Voltage - Supply (Vcc/Vdd)	2.25 V ~ 5.5 V		
Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Frequency - Switching	300kHz		
Clock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Duty Cycle (Max)	94%		
Serial Interfaces-Control FeaturesCurrent Limit, Enable, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Synchronous Rectifier	Yes		
Control FeaturesCurrent Limit, Enable, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Clock Sync	No		
Operating Temperature-40°C ~ 85°C (TA)Package / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Serial Interfaces	-		
Package / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Control Features	Current Limit, Enable, Soft Start		
Supplier Device Package 10-MSOP-PowerPad	Operating Temperature	-40°C ~ 85°C (TA)		
	Package / Case	10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad		
Report errors?	Supplier Device Package	10-MSOP-PowerPad		
		Report errors?		

TPS40000DGQG4 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

Service Guarantees

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

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