

TPS40000DGQG4

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TPS40000DGQG4 Information

| | Part Number | TPS40000DGQG4 | |
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| 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 | | | |
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| 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 | - | | |
| NumberDep FormOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Output Phases2.25 V ~ 5.5 VFrequency - Switching300kHzDuty Cycle (Max)94%Synchronous RectifierYesClock SyncNoSerial Interfaces-Outront FeaturesCurrent Limit, Enable, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad | Output Type | Transistor Driver | | |
| 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.

TPS40000DGQG4 Payment Methods



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