

# **TPS5401DGQT**

# **TPS5401DGQT Information**

- We we it is a second second	Part Number Manufacturer Category	TPS5401DGQT Texas Instruments Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Regulators	
	Description	IC REG BUCK ADJ 0.5A 10MSOP	- 227-226-1
~	Package	10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad	同殺我
For Reference Only		For the pricing/inventory/lead time, please contact	
		us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

### **Certified Quality**

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## **TPS5401DGQT Specifications**

ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSeriesSWIFT?, Eco-Mode?FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3.5VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Min/Fixed)39VCurrent - Output500mAFrequency - Switching100kHz ~ 2.5MHzSynchronous RectifierNoOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	~ I	
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSeriesSWIF7; Eco-Mode?FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3.5VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Min/Fixed)39VCurrent - Output500mAFrequency - Switching100KHz ~ 2.5MHzSynchronous RectifierNoOperating Temperature40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP (0.118", 3.00mm Width) Exposed Pad	Manufacturer Part Number	TPS5401DGQT
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Package10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSeriesSWIFT?, Eco-Mode?FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3.5VVoltage - Input (Min/Fixed)0.8VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)39VCurrent - Output500mAFrequency - Switching100kHz ~ 2.5MHzSynchronous RectifierNoOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Category	Integrated Circuits (ICs)
SeriesSWIFT?, Eco-Mode?FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3.5VVoltage - Input (Max)42VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)39VCurrent - Output500mAFrequency - Switching100kHz ~ 2.5MHzSynchronous RectifierNoOperating Temperature40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118°, 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableOutput Type1Number of Outputs1Voltage - Input (Min)3.5VVoltage - Input (Max)42VVoltage - Output (Max)39VVoltage - Output (Max)39VCurrent - Output500mAFrequency - Switching100kHz ~ 2.5MHzSynchronous Rectifier40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / 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
Output ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3.5VVoltage - Input (Max)42VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)39VCurrent - Output500mAFrequency - Switching100kHz ~ 2.5MHzSynchronous RectifierNoOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Series	SWIFT?, Eco-Mode?
TopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3.5VVoltage - Input (Max)42VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)39VCurrent - Output500mAFrequency - Switching100kHz ~ 2.5MHzSynchronous RectifierNoOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Function	Step-Down
Output TypeAdjustableOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3.5VVoltage - Input (Max)42VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)39VCurrent - Output500mAFrequency - Switching100kHz ~ 2.5MHzSynchronous Rectifier-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Output Configuration	Positive
Number of Outputs1Number of Outputs1Voltage - Input (Min)3.5VVoltage - Input (Max)42VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)39VCurrent - Output500mAFrequency - Switching100kHz ~ 2.5MHzSynchronous RectifierNoOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Topology	Buck
Voltage - Input (Min)3.5VVoltage - Input (Max)42VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)39VCurrent - Output500mAFrequency - Switching100kHz ~ 2.5MHzSynchronous RectifierNoOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Output Type	Adjustable
Voltage - Input (Max)42VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)39VCurrent - Output500mAFrequency - Switching100kHz ~ 2.5MHzSynchronous RectifierNoOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Number of Outputs	1
Voltage - Output (Min/Fixed)0.8VVoltage - Output (Max)39VCurrent - Output500mAFrequency - Switching100kHz ~ 2.5MHzSynchronous RectifierNoOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Voltage - Input (Min)	3.5V
Voltage - Output (Max)39VCurrent - Output500mAFrequency - Switching100kHz ~ 2.5MHzSynchronous RectifierNoOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Voltage - Input (Max)	42V
Current - Output500mAFrequency - Switching100kHz ~ 2.5MHzSynchronous RectifierNoOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Voltage - Output (Min/Fixed)	0.8V
Frequency - Switching100kHz ~ 2.5MHzSynchronous RectifierNoOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Voltage - Output (Max)	39V
Synchronous RectifierNoOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Current - Output	500mA
Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Frequency - Switching	100kHz ~ 2.5MHz
Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Synchronous Rectifier	No
Package / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-PowerPad	Operating Temperature	-40°C ~ 150°C (TJ)
Supplier Device Package 10-MSOP-PowerPad	Mounting Type	Surface Mount
	Package / Case	10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad
Report errors <sup>6</sup>	Supplier Device Package	10-MSOP-PowerPad
		Report errors?

#### **TPS5401DGQT 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.

#### **TPS5401DGQT Payment Methods**





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