

# **TPS40130DBT**

a Quote

### **TPS40130DBT Information**

	Part Number	TPS40130DBT	
	Manufacturer	Texas Instruments	[2] 7!
Tunnanna an	Category	Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Controllers	
Annone	Description	IC REG CTRLR BUCK 30TSSOP	1122
	Package	30-TFSOP (0.173", 4.40mm Width)	Contraction
For Reference Only		For the pricing/inventory/lead time, please contact us	
		Website: https://www.heisener.com E-mail: salesdept@heisener.com	Reques

# **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.



# **TPS40130DBT Specifications**

ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching ControllersPackage30-TFSOP (0.173", 4.40mm Width)Package-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)3 V ~ 40 VFrequency - Switching100kHz ~ 1.2MHzDuty Cycle (Max)%5.5%Synchronous Rectifier-Clorch Features-Control Features-Output Frequency Control, Power Good, Soft StartOperating Temperature40°C ~ 85°C (TA)Package / Case30-TFSOP (0.173", 4.40mm Width)				
CategoryIntegrated Circuits (ICs)Package30-TFSOP (0.173", 4.40mm Width)Series-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs2Output Phases30 \r 40	Manufacturer Part Number	TPS40130DBT		
PMIC - Voltage Regulators - DC DC Switching ControllersPackage30-TFSOP (0.173", 4.40mm Width)Series-Output TypeTransistor DriverFunctionStep-DownDoutput ConfigurationPositiveTopologyBuckNumber of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)3 V ~ 40 VFrequency - Switching100kHz ~ 1.2MHzDuty Cycle (Max)87.5%Synchronous RectifierYesClock SyncYesControl Features-Output Faces-Output Faces-Serial Interfaces-Output Faces-Output Faces-Step-DownStep-DownStep-DownStep-DownStep-Down-Step-Down <td>Manufacturer</td> <td colspan="3">Texas Instruments</td>	Manufacturer	Texas Instruments		
Package30-TFSOP (0.173", 4.40mm Width)Series-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositivePoologyBuckNumber of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)3 V ~ 40 VFrequency - Switching100kHz ~ 1.2MHzDuty Cycle (Max)87.5%Synchronous RectifierYesClock SyncYesControl Features-Control Features40°C ~ 85°C (TA)Package / Case30-TFSOP (0.173", 4.40mm Width)Supplier Device Package30-TSSOP	Category	Integrated Circuits (ICs)		
Series-Dutput TypeTransistor DriverFunctionStep-DownDutput ConfigurationPositiveTopologyBuckNumber of Outputs2Dutput Phases2Voltage - Supply (Vcc/Vdd)3 V ~ 40 VFrequency - Switching100kHz ~ 1.2MHzDuty Cycle (Max)87.5%Synchronous RectifierYesClock SyncYesControl FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case30-TFSOP (0.173", 4.40mm Width)Supplier Device Package30-TSSOP		PMIC - Voltage Regulators - DC DC Switching Controllers		
Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)3 V ~ 40 VPrequency - Switching100kHz ~ 1.2MHzDuty Cycle (Max)YesSynchronous RectifierYesClock SyncYesSerial Interfaces-Output Frequency Control Features40°C ~ 85°C (TA)Operating Temperature30-TSSOP (0.173", 4.40mm Width)Supplier Device Package30-TSSOP	Package	30-TFSOP (0.173", 4.40mm Width)		
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs2Output Phases2Output Phases2Voltage - Supply (Vcc/Vdd)3 V ~ 40 VFrequency - Switching100kHz ~ 1.2MHzDuty Cycle (Max)87.5%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature40°C ~ 85°C (TA)Supplier Device Package30-TSSOP	Series	-		
Output ConfigurationPositiveFopologyBuckNumber of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)3 V ~ 40 VFrequency - Switching100kHz ~ 1.2MHzDuty Cycle (Max)87.5%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature40°C ~ 85°C (TA)Supplier Device Package30-TFSOP (0.173", 4.40mm Width)	Output Type	Transistor Driver		
Frequency - SwitchingBuckNumber of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)3 V ~ 40 VFrequency - Switching100kHz ~ 1.2MHzDuty Cycle (Max)87.5%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature40°C ~ 85°C (TA)Package / Case30-TFSOP (0.173", 4.40mm Width)Supplier Device Package30-TSSOP	Function	Step-Down		
Number of Outputs2Output Phases2Output Phases3 V ~ 40 VVoltage - Supply (Vcc/Vdd)3 V ~ 40 VFrequency - Switching100kHz ~ 1.2MHzDuty Cycle (Max)87.5%Synchronous RectifierYesClock SyncYesClock SyncYesControl Features-Operating Temperature-40°C ~ 85°C (TA)Package / Case30-TFSOP (0.173", 4.40mm Width)Supplier Device Package30-TSSOP	Output Configuration	Positive		
Output Phases2Output Phases3 V ~ 40 VVoltage - Supply (Vcc/Vdd)3 V ~ 40 VFrequency - Switching100kHz ~ 1.2MHzDuty Cycle (Max)87.5%Synchronous RectifierYesClock SyncYesClock Sync-Serial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case30-TFSOP (0.173", 4.40mm Width)Supplier Device Package30-TSSOP	Topology	Buck		
Voltage - Supply (Vcc/Vdd)3 V ~ 40 VFrequency - Switching100kHz ~ 1.2MHzDuty Cycle (Max)87.5%Synchronous RectifierYesClock SyncYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case30-TFSOP (0.173", 4.40mm Width)Supplier Device Package30-TSSOP	Number of Outputs	2		
Frequency - Switching100kHz ~ 1.2MHzDuty Cycle (Max)87.5%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case30-TFSOP (0.173", 4.40mm Width)Supplier Device Package30-TSSOP	Output Phases	2		
Duty Cycle (Max)87.5%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case30-TFSOP (0.173", 4.40mm Width)Supplier Device Package30-TSSOP	Voltage - Supply (Vcc/Vdd)	3 V ~ 40 V		
Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case30-TFSOP (0.173", 4.40mm Width)Supplier Device Package30-TSSOP	Frequency - Switching	100kHz ~ 1.2MHz		
Clock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case30-TFSOP (0.173", 4.40mm Width)Supplier Device Package30-TSSOP	Duty Cycle (Max)	87.5%		
Serial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case30-TFSOP (0.173", 4.40mm Width)Supplier Device Package30-TSSOP	Synchronous Rectifier	Yes		
Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case30-TFSOP (0.173", 4.40mm Width)Supplier Device Package30-TSSOP	Clock Sync	Yes		
Operating Temperature-40°C ~ 85°C (TA)Package / Case30-TFSOP (0.173", 4.40mm Width)Supplier Device Package30-TSSOP	Serial Interfaces	-		
Package / Case30-TFSOP (0.173", 4.40mm Width)Supplier Device Package30-TSSOP	Control Features	Current Limit, Enable, Frequency Control, Power Good, Soft Start		
Supplier Device Package 30-TSSOP	Operating Temperature	-40°C ~ 85°C (TA)		
	Package / Case	30-TFSOP (0.173", 4.40mm Width)		
Report errors?	Supplier Device Package	30-TSSOP		
			Report errors?	

#### **TPS40130DBT** 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.

#### **TPS40130DBT Payment Methods**





If you have any question about TPS40130DBT, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com