



TPS40210DRCRG4 Information



For Reference Only

Part Number TPS40210DRCRG4

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - DC DC Switching

Controllers

Description IC REG CTRLR MULT TOPOLOGY 10SON

Package 10-VFDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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TPS40210DRCRG4 Specifications

Manufacturer Part Number TP\$40210DRCRG4 Manufacturer Texas Instruments Category Integrated Circuits (ICs) Package 10-VFDFN Exposed Pad Series - Output Type Transistor Driver Function Step-Up, Step-Up/Step-Down Output Configuration Positive Topology Boost, Flyback, SEPIC Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 52 V Frequency - Switching 35kHz ~ 1MHz Duty Cycle (Max) - Synchronous Rectifier No Clock Syne Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-VSON (3x3)		
Category Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Controllers Package 10-VFDFN Exposed Pad Series - Output Type Transistor Driver Function Step-Up, Step-Up/Step-Down Output Configuration Positive Topology Boost, Flyback, SEPIC Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 52 V Frequency - Switching 35kHz ~ 1MHz Duty Cycle (Max) - Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-VSON (3x3)	Manufacturer Part Number	TPS40210DRCRG4
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Series - Output Type Transistor Driver Function Step-Up, Step-Up/Step-Down Output Configuration Positive Topology Boost, Flyback, SEPIC Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 52 V Frequency - Switching 35kHz ~ 1MHz Duty Cycle (Max) - Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-VSON (3x3)		PMIC - Voltage Regulators - DC DC Switching Controllers
Output TypeTransistor DriverFunctionStep-Up, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBoost, Flyback, SEPICNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)4.5 V ~ 52 VFrequency - Switching35kHz ~ 1MHzDuty Cycle (Max)-Synchronous RectifierNoClock SyncYesSerial Interfaces-Control FeaturesEnable, Frequency Control, Soft StartOperating Temperature-40°C ~ 125°C (TJ)Package / Case10-VFDFN Exposed PadSupplier Device Package10-VSON (3x3)	Package	10-VFDFN Exposed Pad
Function Step-Up, Step-Up/Step-Down Output Configuration Positive Topology Boost, Flyback, SEPIC Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 52 V Frequency - Switching 35kHz ~ 1MHz Duty Cycle (Max) - Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-VSON (3x3)	Series	-
Output Configuration Positive Boost, Flyback, SEPIC Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 52 V Frequency - Switching 35kHz ~ 1MHz Duty Cycle (Max) Synchronous Rectifier No Clock Sync Yes Serial Interfaces Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-VSON (3x3)	Output Type	Transistor Driver
Topology Boost, Flyback, SEPIC Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 52 V Frequency - Switching 35kHz ~ 1MHz Duty Cycle (Max) - Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-VSON (3x3)	Function	Step-Up, Step-Up/Step-Down
Number of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)4.5 V ~ 52 VFrequency - Switching35kHz ~ 1MHzDuty Cycle (Max)-Synchronous RectifierNoClock SyncYesSerial Interfaces-Control FeaturesEnable, Frequency Control, Soft StartOperating Temperature-40°C ~ 125°C (TJ)Package / Case10-VFDFN Exposed PadSupplier Device Package10-VSON (3x3)	Output Configuration	Positive
Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 52 V Frequency - Switching 35kHz ~ 1MHz Duty Cycle (Max) - Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-VSON (3x3)	Topology	Boost, Flyback, SEPIC
Voltage - Supply (Vcc/Vdd)4.5 V ~ 52 VFrequency - Switching35kHz ~ 1MHzDuty Cycle (Max)-Synchronous RectifierNoClock SyncYesSerial Interfaces-Control FeaturesEnable, Frequency Control, Soft StartOperating Temperature-40°C ~ 125°C (TJ)Package / Case10-VFDFN Exposed PadSupplier Device Package10-VSON (3x3)	Number of Outputs	1
Frequency - Switching Duty Cycle (Max) Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-VSON (3x3)	Output Phases	1
Duty Cycle (Max) Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-VSON (3x3)	Voltage - Supply (Vcc/Vdd)	4.5 V ~ 52 V
Synchronous Rectifier Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-VSON (3x3)	Frequency - Switching	35kHz ~ 1MHz
Clock Sync Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-VSON (3x3)	Duty Cycle (Max)	-
Serial Interfaces Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-VSON (3x3)	Synchronous Rectifier	No
Control Features Enable, Frequency Control, Soft Start Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TJ) Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-VSON (3x3)	Clock Sync	Yes
Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-VSON (3x3)	Serial Interfaces	-
Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-VSON (3x3)	Control Features	Enable, Frequency Control, Soft Start
Supplier Device Package 10-VSON (3x3)	Operating Temperature	-40°C ~ 125°C (TJ)
	Package / Case	10-VFDFN Exposed Pad
Report errors?	Supplier Device Package	10-VSON (3x3)
		Report errors?

TPS40210DRCRG4 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.

TPS40210DRCRG4 Payment Methods





















TPS40210DRCRG4 Shipping Methods













If you have any question about TPS40210DRCRG4, please do not hesitate to contact us!

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