

UC3525BNG4

UC3525BNG4 Information



E-mail: salesdept@heisener.com

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.



UC3525BNG4 Specifications

ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching ControllersPackage16-DIP (0.300", 7.62mm)Series16-DIP (0.300", 7.62mm)Series-Output TypeTransistor DriverFunctionStep-Up, Step-Down, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBuck, Boost, Flyback, Forward Converter, Full-Bridge, Half-Bridge, Push-PullNumber of Outputs2Output Phases1Voltage - Supply (Vcc/Vdd)8 V ~ 35 VFrequency - Switching100Hz ~ 400kHzDuty Cycle (Max)YesSynchronous RectifierYesClock SyncYesStrial Interfaces-Output Frequency Control, Ramp, Soft StartOperating Temperature0C ~ 70°C (TA)Package / Case16-DIP (0.300", 7.62mm)	-	
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FunctionStep-Up, Step-Down, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBuck, Boost, Flyback, Forward Converter, Full-Bridge, Half-Bridge, Push-PullNumber of Outputs2Output Phases1Voltage - Supply (Vcc/Vdd)8 V ~ 35 VFrequency - Switching100Hz ~ 400kHzDuty Cycle (Max)49%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesDead Time Control, Frequency Control, Ramp, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-DIP (0.300", 7.62mm)Supplier Device Package16-PDIP	Series	-
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TopologyBuck, Boost, Flyback, Forward Converter, Full-Bridge, Half-Bridge, Push-PullNumber of Outputs2Output Phases1Voltage - Supply (Vcc/Vdd)8 V ~ 35 VFrequency - Switching100Hz ~ 400kHzDuty Cycle (Max)49%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesDead Time Control, Frequency Control, Ramp, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-DIP (0.300", 7.62mm)Supplier Device Package16-PDIP	Function	Step-Up, Step-Down, Step-Up/Step-Down
Number of Outputs2Output Phases1Voltage - Supply (Vcc/Vdd)8 V ~ 35 VFrequency - Switching100Hz ~ 400kHzDuty Cycle (Max)49%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesDead Time Control, Frequency Control, Ramp, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-DIP (0.300", 7.62mm)Supplier Device Package16-PDIP	Output Configuration	Positive
Output Phases1Voltage - Supply (Vcc/Vdd)8 V ~ 35 VFrequency - Switching100Hz ~ 400kHzDuty Cycle (Max)49%Synchronous RectifierYesClock SyncYesClock SyncYesSerial Interfaces-Operating Temperature0°C ~ 70°C (TA)Package / Case16-DIP (0.300", 7.62mm)Supplier Device Package16-PDIP	Topology	Buck, Boost, Flyback, Forward Converter, Full-Bridge, Half-Bridge, Push-Pull
Voltage - Supply (Vcc/Vdd)8 V ~ 35 VFrequency - Switching100Hz ~ 400kHzDuty Cycle (Max)49%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesDead Time Control, Frequency Control, Ramp, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-DIP (0.300", 7.62mm)Supplier Device Package16-PDIP	Number of Outputs	2
Frequency - Switching100Hz ~ 400kHzDuty Cycle (Max)49%Synchronous RectifierYesClock SyncYesClock SyncYesSerial Interfaces-Control FeaturesDead Time Control, Frequency Control, Ramp, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-DIP (0.300", 7.62mm)Supplier Device Package16-PDIP	Output Phases	1
Duty Cycle (Max)49%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesDead Time Control, Frequency Control, Ramp, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-DIP (0.300", 7.62mm)Supplier Device Package16-PDIP	Voltage - Supply (Vcc/Vdd)	8 V ~ 35 V
Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesDead Time Control, Frequency Control, Ramp, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-DIP (0.300", 7.62mm)Supplier Device Package16-PDIP	Frequency - Switching	100Hz ~ 400kHz
Clock SyncYesSerial Interfaces-Control FeaturesDead Time Control, Frequency Control, Ramp, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-DIP (0.300", 7.62mm)Supplier Device Package16-PDIP	Duty Cycle (Max)	49%
Serial Interfaces-Control FeaturesDead Time Control, Frequency Control, Ramp, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-DIP (0.300", 7.62mm)Supplier Device Package16-PDIP	Synchronous Rectifier	Yes
Control FeaturesDead Time Control, Frequency Control, Ramp, Soft StartOperating Temperature0°C ~ 70°C (TA)Package / Case16-DIP (0.300", 7.62mm)Supplier Device Package16-PDIP	Clock Sync	Yes
Operating Temperature0°C ~ 70°C (TA)Package / Case16-DIP (0.300", 7.62mm)Supplier Device Package16-PDIP	Serial Interfaces	-
Package / Case16-DIP (0.300", 7.62mm)Supplier Device Package16-PDIP	Control Features	Dead Time Control, Frequency Control, Ramp, Soft Start
Supplier Device Package 16-PDIP	Operating Temperature	0°C ~ 70°C (TA)
	Package / Case	16-DIP (0.300", 7.62mm)
Report errors?	Supplier Device Package	16-PDIP
		Report errors?

UC3525BNG4 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 GUARANTEE

Service Guarantees

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

UC3525BNG4 Payment Methods



UC3525BNG4 Shipping Methods



If you have any question about UC3525BNG4, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com