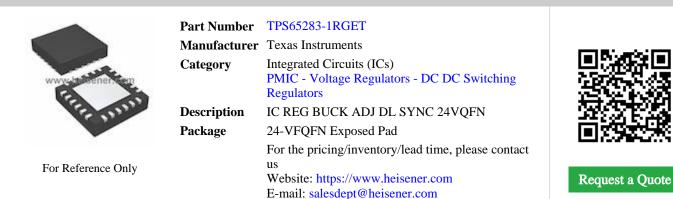


TPS65283-1RGET

TPS65283-1RGET Information



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.



TPS65283-1RGET Specifications

ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage24-VFQFN Exposed PadPackage-FunctionStep-DownOutput ConfigurationPositiveDutput ConfigurationBuckOutput TypeAdjustableOutput Type18-VVoltage - Input (Min)18-VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)9-VCurrent - Output3.5A, 2.5AFrequency - Switching200kHz ~ 2MHzSynchronous RectifierYesOperating Temperature4.0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case2.4-VEpFN Exposed PadSupplier Device Package24-VEpFN Exposed Pad		
Category Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Regulators Package 24-VFQFN Exposed Pad Series - Function Step-Down Output Configuration Positive Topology Buck Output Type Adjustable Voltage - Input (Min) 4.5V Voltage - Output (Min/Fixed) 0.6V Voltage - Output (Max) 9V Current - Output 3.5A, 2.5A Frequency - Switching 200kHz ~ 2MHz Synchronous Rectifier Yes Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 24-VFQFN Exposed Pad	Manufacturer Part Number	TPS65283-1RGET
PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage24-VFQFN Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositivePoologyBuckOutput TypeAdjustableOutput Type2Voltage - Input (Min)4.5VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Min/Fixed)9VCurrent - Output3.5A, 2.5AFrequency - Switching200kHz ~ 2MHzSynchronous RectifierYesOperating Temperature4.0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case24-VPQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Manufacturer	Texas Instruments
Package24-VFQFN Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableOutput Yype2Voltage - Input (Min)4.5VVoltage - Input (Min)18VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Min/Fixed)9VCurrent - Output3.5A, 2.5ASynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Category	Integrated Circuits (ICs)
Series-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableOutput Type2Voltage - Input (Min)4.5VVoltage - Input (Min/Fixed)0.6VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)9VCurrent - Output3.5A, 2.5AFrequency - Switching200kHz ~ 2MHzSynchronous Rectifier40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case24-VQFN Exposed PadSupplier Device Package24-VQFN (4x4)		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionStep-DownOutput ConfigurationPositivePopologyBuckOutput TypeAdjustableOutput Type2Voltage - Input (Min)4.5VVoltage - Input (Min/Fixed)0.6VVoltage - Output (Max)9VVoltage - Output (Max)3.5A, 2.5ACurrent - Output200kHz ~ 2MHzSynchronous Rectifier4.0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Package	24-VFQFN Exposed Pad
Output ConfigurationPositiveTopologyBuckOutput TypeAdjustableOutput Type2Number of Outputs2Voltage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)9VCurrent - Output3.5A, 2.5AFrequency - Switching200kHz ~ 2MHzSynchronous RectifierYesOperating Temperature4.0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Series	-
TopologyBuckOutput TypeAdjustableNumber of Outputs2Voltage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)9VCurrent - Output3.5A, 2.5AFrequency - Switching200kHz ~ 2MHzSynchronous RectifierYesOperating Temperature4.0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Function	Step-Down
Adjustable Output Type Adjustable Number of Outputs 2 Voltage - Input (Min) 4.5V Voltage - Input (Max) 18V Voltage - Output (Min/Fixed) 0.6V Voltage - Output (Max) 9V Current - Output 3.5A, 2.5A Frequency - Switching 200kHz ~ 2MHz Synchronous Rectifier Yes Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-VQFN (4x4)	Output Configuration	Positive
Number of Outputs2Number of Outputs2Voltage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)9VCurrent - Output3.5A, 2.5AFrequency - Switching200kHz ~ 2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Topology	Buck
Voltage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)9VCurrent - Output3.5A, 2.5AFrequency - Switching200kHz ~ 2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Output Type	Adjustable
Voltage - Input (Max)18VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)9VCurrent - Output3.5A, 2.5AFrequency - Switching200kHz ~ 2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSynch (4x4)24-VQFN (4x4)	Number of Outputs	2
Voltage - Output (Min/Fixed)0.6VVoltage - Output (Max)9VCurrent - Output3.5A, 2.5AFrequency - Switching200kHz ~ 2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Voltage - Input (Min)	4.5V
Voltage - Output (Max)9VCurrent - Output3.5A, 2.5AFrequency - Switching200kHz ~ 2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Voltage - Input (Max)	18V
Current - Output3.5A, 2.5AFrequency - Switching200kHz ~ 2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Voltage - Output (Min/Fixed)	0.6V
Frequency - Switching200kHz ~ 2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Voltage - Output (Max)	9V
Synchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Current - Output	3.5A, 2.5A
Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Frequency - Switching	200kHz ~ 2MHz
Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Synchronous Rectifier	Yes
Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package24-VQFN (4x4)	Mounting Type	Surface Mount
	Package / Case	24-VFQFN Exposed Pad
Report errors?	Supplier Device Package	24-VQFN (4x4)
		Report errors?

TPS65283-1RGET 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.

TPS65283-1RGET Payment Methods





If you have any question about TPS65283-1RGET, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com