

TPS62151RGTT

TPS62151RGTT 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.



TPS62151RGTT Specifications

ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage16-VFQFN Exposed PadPackageDCS-Control?SteriesDCS-Control?FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)3VVoltage - Input (Min/Fixed)1.8VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Current - OutputIAFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature4.0°C ~ 85°C (TA)Mounting Type6.40FQFN Exposed PadSupplier Device Package16-QFN (3x3)		
CategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - DC DC Switching RegulatorsPackage16-VFQFN Exposed PadSeriesDCS-Control?FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)3VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Current - Output1.4Frequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)	Manufacturer Part Number	TPS62151RGTT
PMC - Voltage Regulators - DC DC Switching RegulatorsPackage16-VFQFN Exposed PadSeriesDCS-Control?FunctionStep-DownOutput ConfigurationPositiveBuckOutput TypeOutput TypeFixedNumber of Outputs1Voltage - Input (Min)3VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Min/Fixed)2.5MHzCurrent - Output1APrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature440°C ~ 85°C (TA)Mounting TypeIc-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)	Manufacturer	Texas Instruments
Package16-VFQFN Exposed PadSeriesDCS-Control?FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)3VVoltage - Input (Min/Fixed)1.8VVoltage - Output (Min/Fixed).4Voltage - Output (Min/Fixed).5Voltage - Output (Min/Fixed).4Voltage - Output (Min/Fixed).4Voltage - Output (Max).4Current - OutputIASynchronous RectifierYesOperating Temperature.40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)	Category	Integrated Circuits (ICs)
SeriesDCS-Control?FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)3VVoltage - Input (Max)17VVoltage - Output (Max).Current - OutputIAFrequency - Switching2.SMHzSynchronous RectifierYesOperating Temperature60°C ~ 85°C (TA)Mounting Type16-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedOutput Type1Number of Outputs1Voltage - Input (Min)3VVoltage - Input (Max)17VVoltage - Output (Max).Voltage - Output (Max).Current - Output1AFrequency - Switching2.5MHzSynchronous Rectifier.40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)	Package	16-VFQFN Exposed Pad
Output ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)3VVoltage - Input (Max)17VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Current - Output1AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)	Series	DCS-Control?
TopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)3VVoltage - Input (Max)17VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Current - Output1AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)	Function	Step-Down
Output TypeFixedOutput TypeFixedNumber of Outputs1Voltage - Input (Min)3VVoltage - Input (Max)17VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Current - Output1AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)	Output Configuration	Positive
Number of Outputs1Number of Outputs3VVoltage - Input (Min)3VVoltage - Input (Max)17VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Current - Output1AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)	Topology	Buck
Voltage - Input (Min)3VVoltage - Input (Max)17VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Current - Output1AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)	Output Type	Fixed
Voltage - Input (Max)17VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Current - Output1AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)	Number of Outputs	1
Voltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Current - Output1AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)	Voltage - Input (Min)	3V
Voltage - Output (Max)-Current - Output1AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)	Voltage - Input (Max)	17V
Current - Output1AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)	Voltage - Output (Min/Fixed)	1.8V
Frequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)	Voltage - Output (Max)	-
Synchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)	Current - Output	1A
Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)	Frequency - Switching	2.5MHz
Mounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)	Synchronous Rectifier	Yes
Package / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (3x3)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package16-QFN (3x3)	Mounting Type	Surface Mount
	Package / Case	16-VFQFN Exposed Pad
Report errors?	Supplier Device Package	16-QFN (3x3)
		Report errors?

TPS62151RGTT 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

Service Guarantees

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

TPS62151RGTT Payment Methods





If you have any question about TPS62151RGTT, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com