

TPS74201RGWR

equest a Quote

TPS74201RGWR Information

WWW.eshtener.est FFFF 11111	Part Number	TPS74201RGWR
	Manufacturer	Texas Instruments
	Category	Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear
	Description	IC REG LIN POS ADJ 1.5A 20VQFN
	Package	20-VQFN Exposed Pad
		For the pricing/inventory/lead time, please contact us
For Reference Only		Website: https://www.heisener.com 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.



TPS74201RGWR Specifications

Manufacturer Texas Instruments Manufacturer Texas Instruments Manufacturer Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear 20-VQFN Exposed Pad Package 20-VQFN Exposed Pad Series - Output Configuration Positive Output Type Adjustable Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Max) 3.6V Voltage - Output (Max) 3.6V Voltage - Output (Max) 0.12V @ 1.5A Current - Output 1.5A Current - Quiescent (Iq) - Current - Quiescent (Iq) - Current - Supply (Max) 115µA ~ 1.5mA PSRR 73dB ~ 42dB (1kHz ~ 300kHz) Control Features Feable, Power Good, Soft Start Protection Features Over Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package <th></th> <th></th>				
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackage20-VQFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)3.6VVoltage Dropout (Max)0.12V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)115µA ~ 1.5mAPSRR73dB ~ 42dB (1kHz ~ 300kHz)Control FeaturesOver Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature4.0°C ~ 125°CMounting TypeSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	Manufacturer Part Number	TPS74201RGWR		
PMIC - Voltage Regulators - LinearPackage20-VQFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)3.6VVoltage - Output (Max)0.12V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)115µA ~ 1.5mAPSRR73dB ~ 42dB (1kHz ~ 300kHz)Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	Manufacturer	Texas Instruments		
Package20-VQFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)3.6VVoltage - Output (Max)0.12V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)115µA ~ 1.5mAPSRR73dB ~ 42dB (1kHz ~ 300kHz)Control FeaturesFeable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating TemperatureSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	Category	Integrated Circuits (ICs)		
Series-Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)3.6VVoltage - Output (Max)0.12V @ 1.5ACurrent - Output1.5ACurrent - Output1.5JACurrent - Supply (Max)115µA ~ 1.5mAPSRR73dB ~ 42dB (1kHz ~ 30kHz)Control FeaturesEnable, Power Good, Soft StartProtection Features60°C ~ 125°CMounting TypeSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)		PMIC - Voltage Regulators - Linear		
Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)3.6VVoltage - Output (Max)0.12V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)115µA ~ 1.5mAPSRR73dB ~ 42dB (1kHz ~ 300kHz)Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating TypeSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	Package	20-VQFN Exposed Pad		
Output TypeAdjustableNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)3.6VVoltage Dropout (Max)0.12V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-PSRR73B ~ 42dB (1kHz ~ 300kHz)Control FeaturesOver Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case0.9VQFN (5x5)	Series	-		
Number of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)3.6VVoltage - Output (Max)0.12V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)115µA ~ 1.5mAPSRR73dB ~ 42dB (1kHz ~ 300kHz)Control FeaturesOver Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-VQFN (5x5)	Output Configuration	Positive		
Voltage - Input (Max) $5.5V$ Voltage - Output (Min/Fixed) $0.8V$ Voltage - Output (Max) $3.6V$ Voltage Dropout (Max) $0.12V @ 1.5A$ Current - Output $1.5A$ Current - Quiescent (Iq)-Current - Supply (Max) $115\mu A \sim 1.5mA$ PSRR $73dB \sim 42dB (1kHz \sim 300kHz)$ Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature $-40^\circ C \sim 125^\circ C$ Mounting TypeSurface MountPackage / Case 20 -VQFN Exposed PadSupplier Device Package 20 -VQFN (5x5)	Output Type	Adjustable		
Voltage - Output (Min/Fixed)0.8VVoltage - Output (Max)3.6VVoltage Dropout (Max)0.12V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)115µA ~ 1.5mAPSRR73dB ~ 42dB (1kHz ~ 300kHz)Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	Number of Regulators	1		
Voltage - Output (Max)3.6VVoltage Dropout (Max)0.12V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)115µA ~ 1.5mAPSRR73dB ~ 42dB (1kHz ~ 300kHz)Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	Voltage - Input (Max)	5.5V		
Voltage Dropout (Max)0.12V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)115µA ~ 1.5mAPSRR73dB ~ 42dB (1kHz ~ 300kHz)Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	Voltage - Output (Min/Fixed)	0.8V		
Current - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)115μA ~ 1.5mAPSRR73dB ~ 42dB (1kHz ~ 300kHz)Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	Voltage - Output (Max)	3.6V		
Current - Quiescent (Iq)-Current - Supply (Max)115μA ~ 1.5mAPSRR73dB ~ 42dB (1kHz ~ 300kHz)Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	Voltage Dropout (Max)	0.12V @ 1.5A		
Current - Supply (Max)115μA ~ 1.5mAPSRR73dB ~ 42dB (1kHz ~ 300kHz)Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	Current - Output	1.5A		
PSRR73dB ~ 42dB (1kHz ~ 300kHz)Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	Current - Quiescent (Iq)	-		
Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	Current - Supply (Max)	115μA ~ 1.5mA		
Protection FeaturesOver Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	PSRR	73dB ~ 42dB (1kHz ~ 300kHz)		
Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	Control Features	Enable, Power Good, Soft Start		
Mounting TypeSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	Protection Features	Over Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)		
Package / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	Operating Temperature	-40°C ~ 125°C		
Supplier Device Package 20-VQFN (5x5)	Mounting Type	Surface Mount		
	Package / Case	20-VQFN Exposed Pad		
Report errors?	Supplier Device Package	20-VQFN (5x5)		
		Report errors?		

TPS74201RGWR 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.

TPS74201RGWR Payment Methods





If you have any question about TPS74201RGWR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com