



TPS7A4701RGWT Information



For Reference Only

Part Number TPS7A4701RGWT

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR POS ADJ 1A 20VQFN

Package 20-VQFN 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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Certified Quality

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TPS7A4701RGWT Specifications

Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package 20-VQFN Exposed Pad Series - Output Configuration Positive Output Type Adjustable Number of Regulators 1 Voltage - Input (Max) 35V Voltage - Output (Min/Fixed) 1.4V Voltage - Output (Max) 34V Voltage Dropout (Max) 0.45V @ 1A Current - Output 1A Current - Quiescent (Iq) - Current - Supply (Max) 1mA ~ 6.1mA PSRR 78dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	^		
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Package 20-VQFN Exposed Pad Series - Output Configuration Positive Output Type Adjustable Number of Regulators 1 Voltage - Input (Max) 35V Voltage - Output (Min/Fixed) 1.4V Voltage - Output (Max) 34V Voltage Dropout (Max) 0.45V @ 1A Current - Output 1 Current - Quiescent (Iq) - Current - Supply (Max) 1mA ~ 6.1mA PSRR 78dB (1kHz) Control Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	Category	Integrated Circuits (ICs)	
Series - Output Configuration Positive Output Type Adjustable Number of Regulators 1 Voltage - Input (Max) 35V Voltage - Output (Min/Fixed) 1.4V Voltage - Output (Min/Fixed) 34V Voltage - Output (Max) 34V Voltage Dropout (Max) 0.45V @ 1A Current - Output 1A Current - Quiescent (Iq) - Current - Supply (Max) 1mA ~ 6.1mA PSRR 78dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)		PMIC - Voltage Regulators - Linear	
Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)35VVoltage - Output (Min/Fixed)1.4VVoltage - Output (Max)34VVoltage Dropout (Max)0.45V @ 1ACurrent - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)1mA ~ 6.1mAPSRR78dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	Package	20-VQFN Exposed Pad	
Output Type Adjustable Number of Regulators 1 Voltage - Input (Max) 35V Voltage - Output (Min/Fixed) 1.4V Voltage - Output (Max) 34V Voltage Dropout (Max) 0.45V @ 1A Current - Output 1A Current - Quiescent (Iq) - Current - Supply (Max) 1mA ~ 6.1mA PSRR 78dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-VQFN (5x5)	Series	-	
Number of Regulators Voltage - Input (Max) Voltage - Output (Min/Fixed) 1.4V Voltage - Output (Max) Voltage Dropout (Max) Voltage Dropout (Max) 1A Current - Output 1A Current - Quiescent (Iq) Current - Supply (Max) 1mA ~ 6.1mA PSRR 78dB (1kHz) Control Features Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature 40°C ~ 125°C Mounting Type Surface Mount Package / Case Supplier Device Package 20-VQFN Exposed Pad Supplier Device Package	Output Configuration	Positive	
Voltage - Input (Max) Voltage - Output (Min/Fixed) 1.4V Voltage - Output (Max) 34V Voltage Dropout (Max) 0.45V @ 1A Current - Output 1A Current - Quiescent (Iq) - Current - Supply (Max) ImA ~ 6.1mA PSRR 78dB (1kHz) Control Features Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case Supplier Device Package 20-VQFN Exposed Pad Surpose Su	Output Type	Adjustable	
Voltage - Output (Min/Fixed) Voltage - Output (Max) 34V Voltage Dropout (Max) 0.45V @ 1A Current - Output 1A Current - Quiescent (Iq) - Current - Supply (Max) 1mA ~ 6.1mA PSRR 78dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package	Number of Regulators	1	
Voltage - Output (Max) Voltage Dropout (Max) 0.45V @ 1A Current - Output 1A Current - Quiescent (Iq) - Current - Supply (Max) PSRR 78dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case Supplier Device Package 20-VQFN (5x5)	Voltage - Input (Max)	35V	
Voltage Dropout (Max) Current - Output 1A Current - Quiescent (Iq) - Current - Supply (Max) PSRR 78dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	Voltage - Output (Min/Fixed)	1.4V	
Current - Output Current - Quiescent (Iq) Current - Supply (Max) ImA ~ 6.1mA PSRR 78dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package	Voltage - Output (Max)	34V	
Current - Quiescent (Iq) Current - Supply (Max) 1mA ~ 6.1mA 78dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package	Voltage Dropout (Max)	0.45V @ 1A	
Current - Supply (Max) 1mA ~ 6.1mA 78dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	Current - Output	1A	
PSRR 78dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	Current - Quiescent (Iq)	-	
Control Features Enable Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	Current - Supply (Max)	1mA ~ 6.1mA	
Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	PSRR	78dB (1kHz)	
Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	Control Features	Enable	
Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	Protection Features	Over Current, Over Temperature, Under Voltage Lockout (UVLO)	
Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-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?

TPS7A4701RGWT 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.

TPS7A4701RGWT Payment Methods



















TPS7A4701RGWT Shipping Methods













If you have any question about TPS7A4701RGWT, please do not hesitate to contact us!

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