



TPS7A8300ARGWT Information



For Reference Only

Part Number TPS7A8300ARGWT
Manufacturer Texas Instruments
Category Integrated Circuits (IC

Integrated Circuits (ICs)
PMIC - Voltage Regulators - Linear

Description IC REG LINEAR POS ADJ 2A 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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TPS7A8300ARGWT Specifications

Manufacturer Part Number TPS7A8300ARGWT Manufacturer Texas Instruments Category Integrated Circuits (ICs) Package 20-VQFN Exposed Pad Series - Output Configuration Positive Output Type Adjustable Number of Regulators 1 Voltage - Input (Max) 6.5V Voltage - Output (Min/Fixed) 0.8V Voltage - Output (Max) 5.2V Voltage Dropout (Max) 0.3V @ 2A Current - Output 2A Current - Supply (Max) 5mA PSRR 42dB ~ 25dB (10kHz ~ 500kHz) Control Features Enable, Power Good, Soft Start Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5) Report errors?	•		
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) 6.5V Voltage - Output (Min/Fixed) 0.8V Voltage - Output (Max) 5.2V Voltage Dropout (Max) 0.3V @ 2A Current - Output 2A Current - Quiescent (Iq) 4mA Current - Supply (Max) 5mA PSRR 42dB ~ 25dB (10kHz ~ 500kHz) Control Features Enable, Power Good, Soft Start Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	Manufacturer Part Number	TPS7A8300ARGWT	
Package 20-VQFN Exposed Pad Series - Output Configuration Positive Output Type Adjustable Number of Regulators 1 Voltage - Input (Max) 6.5V Voltage - Output (Min/Fixed) 0.8V Voltage - Output (Max) 5.2V Voltage Dropout (Max) 0.3V @ 2A Current - Output 2 Current - Quiescent (Iq) 4mA Current - Supply (Max) 5mA PSRR 42dB ~ 25dB (10kHz ~ 500kHz) Control Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature 4-40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-VQFN (5x5)	Manufacturer	Texas Instruments	
Package 20-VQFN Exposed Pad Series - Output Configuration Positive Output Type Adjustable Number of Regulators 1 Voltage - Input (Max) 6.5V Voltage - Output (Min/Fixed) 0.8V Voltage - Output (Max) 5.2V Voltage Dropout (Max) 0.3V @ 2A Current - Output 2A Current - Quiescent (Iq) 4mA Current - Supply (Max) 5mA PSRR 42dB ~ 25dB (10kHz ~ 500kHz) Control Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) 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) 6.5V Voltage - Output (Min/Fixed) 0.8V Voltage - Output (Max) 5.2V Voltage Dropout (Max) 0.3V @ 2A Current - Output 2A Current - Quiescent (Iq) 4mA Current - Supply (Max) 5mA PSRR 42dB ~ 25dB (10kHz ~ 500kHz) Control Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature 40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-VQFN (5x5)		PMIC - Voltage Regulators - Linear	
Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)5.2VVoltage Dropout (Max)0.3V @ 2ACurrent - Output2ACurrent - Quiescent (Iq)4mACurrent - Supply (Max)5mAPSRR42dB ~ 25dB (10kHz ~ 500kHz)Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	Package	20-VQFN Exposed Pad	
Output TypeAdjustableNumber of Regulators1Voltage - Input (Max)6.5 VVoltage - Output (Min/Fixed)0.8 VVoltage - Output (Max)5.2 VVoltage Dropout (Max)0.3 V @ 2ACurrent - Output2ACurrent - Quiescent (Iq)4mACurrent - Supply (Max)5mAPSRR42dB ~ 25dB (10kHz ~ 500kHz)Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case20-VQFN Exposed PadSupplier Device Package20-VQFN (5x5)	Series	-	
Number of Regulators Voltage - Input (Max) Voltage - Output (Min/Fixed) Voltage - Output (Max) Voltage - Output (Max) Voltage Dropout (Max) S.2V Voltage Dropout (Max) Current - Output 2A Current - Quiescent (Iq) 4mA Current - Supply (Max) SmA PSRR 42dB ~ 25dB (10kHz ~ 500kHz) Control Features Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature 40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package	Output Configuration	Positive	
Voltage - Input (Max) Voltage - Output (Min/Fixed) Voltage - Output (Max) Voltage - Output (Max) 5.2V Voltage Dropout (Max) 0.3V @ 2A Current - Output 2A Current - Quiescent (Iq) 4mA Current - Supply (Max) 5mA PSRR 42dB ~ 25dB (10kHz ~ 500kHz) Control Features Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package	Output Type	Adjustable	
Voltage - Output (Min/Fixed) Voltage - Output (Max) 5.2V Voltage Dropout (Max) 0.3V @ 2A Current - Output 2A Current - Quiescent (Iq) 4mA Current - Supply (Max) 5mA PSRR 42dB ~ 25dB (10kHz ~ 500kHz) Control Features Enable, Power Good, Soft Start Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	Number of Regulators	1	
Voltage - Output (Max) Voltage Dropout (Max) 0.3V @ 2A Current - Output 2A Current - Quiescent (Iq) 4mA Current - Supply (Max) SmA PSRR 42dB ~ 25dB (10kHz ~ 500kHz) Control Features Enable, Power Good, Soft Start Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package	Voltage - Input (Max)	6.5V	
Voltage Dropout (Max) 0.3V @ 2A Current - Output 2A Current - Quiescent (Iq) 4mA Current - Supply (Max) 5mA PSRR 42dB ~ 25dB (10kHz ~ 500kHz) Control Features Enable, Power Good, Soft Start Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	Voltage - Output (Min/Fixed)	0.8V	
Current - Output Current - Quiescent (Iq) 4mA Current - Supply (Max) 5mA PSRR 42dB ~ 25dB (10kHz ~ 500kHz) Control Features Enable, Power Good, Soft Start Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	Voltage - Output (Max)	5.2V	
Current - Quiescent (Iq) 4mA Current - Supply (Max) 5mA PSRR 42dB ~ 25dB (10kHz ~ 500kHz) Control Features Enable, Power Good, Soft Start Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	Voltage Dropout (Max)	0.3V @ 2A	
Current - Supply (Max) 5mA PSRR 42dB ~ 25dB (10kHz ~ 500kHz) Control Features Enable, Power Good, Soft Start Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	Current - Output	2A	
PSRR 42dB ~ 25dB (10kHz ~ 500kHz) Control Features Enable, Power Good, Soft Start Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	Current - Quiescent (Iq)	4mA	
Control Features Enable, Power Good, Soft Start Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	Current - Supply (Max)	5mA	
Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TJ) Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	PSRR	42dB ~ 25dB (10kHz ~ 500kHz)	
Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-VQFN (5x5)	Control Features	Enable, Power Good, Soft Start	
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 (TJ)	
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?

TPS7A8300ARGWT 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.

TPS7A8300ARGWT Payment Methods



















TPS7A8300ARGWT Shipping Methods













If you have any question about TPS7A8300ARGWT, please do not hesitate to contact us!

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