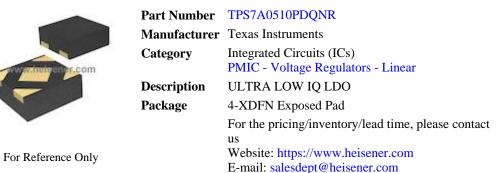


TPS7A0510PDQNR

TPS7A0510PDQNR Information





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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.



TPS7A0510PDQNR Specifications

Manufacturer Texas Instruments Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package 4-XDFN Exposed Pad Series - Output Configuration Positive Output Configuration Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Max) 5.5V Voltage - Output (Max) - Voltage - Output (Max) - Voltage - Output (Max) 0.837V @ 200mA Current - Output 200mA Current - Output 3µA Current - Supply (Max) - PSRR 40dB (IkHz ~ IMHz) Control Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature 40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 4.XDFN Exposed Pad Supplier Device Package 4.X2SON (1x1)			
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackage4-XDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)IVVoltage - Output (Max)-Voltage Output (Max)0.837V @ 200mACurrent - Output3µACurrent - Output3µACurrent - Supply (Max)-PSRR40B (IkHz ~ IMHz)Control FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature4.42DFN Exposed PadPackage / Case4.XDFN Exposed PadSupplier Device Package4-X2ON (lx1)	Manufacturer Part Number	TPS7A0510PDQNR	
PMIC - Voltage Regulators - LinearPackage4-XDFN Exposed PadSeries-Output ConfigurationPositiveDutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Mar/Fixed)IVVoltage - Output (Max)-Voltage Dropout (Max)0.837V @ 200mACurrent - Output3µACurrent - Quiescent (Iq)3µACurrent - Supply (Max)-PSRR40dB (1kHz ~ 1MHz)Control FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case4-X2SON (1x1)	Manufacturer	Texas Instruments	
Package4-XDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)IVVoltage - Output (Max)-Voltage - Output (Max)0.837V @ 200mACurrent - Output3µACurrent - Quiescent (Iq)3µACurrent - Supply (Max)-PSRR40dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Package / Case4.XDFN Exposed PadSupplier Device Package4-X2SON (1x1)	Category	Integrated Circuits (ICs)	
Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)IVVoltage - Output (Max)-Voltage Output (Max)0.837V @ 200mACurrent - Output3µACurrent - Supply (Max)-PSRR40dB (IkHz ~ 1MHz)Control FeaturesFaableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature4.40°C ~ 125°C (TJ)Package / Case4.4XDFN Exposed PadSupplier Device Package4.4X2SON (1x1)		PMIC - Voltage Regulators - Linear	
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)IVVoltage - Output (Max)-Voltage - Output (Max)0.837V @ 200mAVoltage Dropout (Max)0.837V @ 200mACurrent - Output200mACurrent - Quiescent (Iq)3µACurrent - Supply (Max)-PSRR40dB (1kHz ~ 1MHz)Control FeaturesDover Current, Over Temperature, Under Voltage Lockout (UVLO)Operating TemperatureSurface MountProtection FeaturesSurface MountPackage / Case4.XDFN Exposed PadSupplier Device Package4.XSDN (1x1)	Package	4-XDFN Exposed Pad	
PrivateFixedOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1VVoltage - Output (Max)-Voltage Dropout (Max)0.837V @ 200mACurrent - Output200mACurrent - Quiescent (Iq)3µACurrent - Supply (Max)-PSRR40dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating TemperatureSurface MountPackage / Case4-X2SON (1x1)	Series	-	
Number of Regulators1Number of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1VVoltage - Output (Max)-Voltage Dropout (Max)0.837V @ 200mACurrent - Output200mACurrent - Quiescent (Iq)3µACurrent - Supply (Max)-PSRR40dB (1kHz ~ 1MHz)Control FeaturesDover Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case4-X2DFN Exposed PadSupplier Device Package4-X2SON (1x1)	Output Configuration	Positive	
Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1VVoltage - Output (Max)-Voltage Dropout (Max)0.837V @ 200mACurrent - Output200mACurrent - Quiescent (Iq)3µACurrent - Supply (Max)-PSRR40dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-X2SON (1x1)	Output Type	Fixed	
Voltage - Output (Min/Fixed)IVVoltage - Output (Max)-Voltage Dropout (Max)0.837V @ 200mACurrent - Output200mACurrent - Quiescent (Iq)3µACurrent - Supply (Max)-PSRR40dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-X2SON (1x1)	Number of Regulators	1	
Voltage - Output (Max)-Voltage Dropout (Max)0.837V @ 200mACurrent - Output200mACurrent - Quiescent (Iq)3µACurrent - Supply (Max)-PSRR40dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating TemperatureSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-X2SON (1x1)	Voltage - Input (Max)	5.5V	
Voltage Dropout (Max)0.837V @ 200mACurrent - Output200mACurrent - Quiescent (Iq)3μACurrent - Supply (Max)-PSRR40dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-X2SON (1x1)	Voltage - Output (Min/Fixed)	1V	
Current - Output200mACurrent - Quiescent (Iq)3μACurrent - Supply (Max)-PSRR40dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-X2SON (1x1)	Voltage - Output (Max)	-	
Current - Quiescent (Iq)3μACurrent - Supply (Max)-PSRR40dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-X2SON (1x1)	Voltage Dropout (Max)	0.837V @ 200mA	
Current - Supply (Max)-PSRR40dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-X2SON (1x1)	Current - Output	200mA	
PSRR40dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-X2SON (1x1)	Current - Quiescent (Iq)	3μΑ	
Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-X2SON (1x1)	Current - Supply (Max)	-	
Protection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-X2SON (1x1)	PSRR	40dB (1kHz ~ 1MHz)	
Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-X2SON (1x1)	Control Features	Enable	
Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-X2SON (1x1)	Protection Features	Over Current, Over Temperature, Under Voltage Lockout (UVLO)	
Package / Case4-XDFN Exposed PadSupplier Device Package4-X2SON (1x1)	Operating Temperature	-40°C ~ 125°C (TJ)	
Supplier Device Package4-X2SON (1x1)	Mounting Type	Surface Mount	
	Package / Case	4-XDFN Exposed Pad	
Report errors?	Supplier Device Package	4-X2SON (1x1)	
			Report errors?

TPS7A0510PDQNR Guarantees



Quality Guarantees

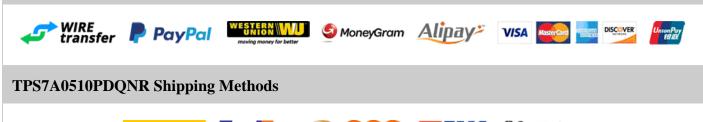
We provide 90 days warranty. * If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.

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TPS7A0510PDQNR Payment Methods





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