



TPS76801QPWPRQ1 Information



For Reference Only

Part Number TPS76801QPWPRQ1
Manufacturer Texas Instruments
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LIN POS ADJ 1A 20HTSSOP

Package 20-TSSOP (0.173", 4.40mm Width) Exposed Pad For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



Request a Quote

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.









TPS76801QPWPRQ1 Specifications

Manufacturer Part Number TPS76801QPWPRQ1 Manufacturer Texas Instruments Category Integrated Circuits (ICs) Package 20-TSSOP (0.173", 4.40mm Width) Exposed Pad Series Automotive, AEC-Q100 Output Configuration Positive Output Type Adjustable Number of Regulators 1 Voltage - Input (Max) 10V Voltage - Output (Min/Fixed) 1.2V Voltage - Output (Max) 5.5V Voltage Dropout (Max) - Current - Output 1A Current - Quiescent (Iq) - Current - Supply (Max) 125µA PSRR 60dB (1kHz) Corrent Features 60dB (1kHz) Corrent Features Over Current, Over Temperature, Reverse Polarity Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-TSSOP (0.173", 4.40mm Width) Exposed Pad Supplier Device Package 20-HTSSOP		
Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package 20-TSSOP (0.173", 4.40mm Width) Exposed Pad Series Automotive, AEC-Q100 Output Configuration Positive Output Type Adjustable Number of Regulators 1 Voltage - Input (Max) 10V Voltage - Output (Min/Fixed) 1.2V Voltage - Output (Max) 5.5V Voltage Dropout (Max) - Current - Output 1A Current - Quiescent (Iq) - Current - Supply (Max) 125µA PSRR 60dB (1kHz) Control Features Enable, Power Good Protection Features Over Current, Over Temperature, Reverse Polarity Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-TSSOP (0.173", 4.40mm Width) Exposed Pad Supplier Device Package 20-HTSSOP	Manufacturer Part Number	TPS76801QPWPRQ1
Package 20-TSSOP (0.173", 4.40mm Width) Exposed Pad Series Automotive, AEC-Q100 Output Configuration Positive Output Type Adjustable Number of Regulators 1 Voltage - Input (Max) 10V Voltage - Output (Min/Fixed) 1.2V Voltage - Output (Max) 5.5V Voltage Dropout (Max) - Current - Output A Current - Quiescent (Iq) - Current - Supply (Max) 125µA PSRR 60dB (1kHz) Control Features Over Current, Over Temperature, Reverse Polarity Operating Temperature 40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-HTSSOP (0.173", 4.40mm Width) Exposed Pad Supplier Device Package 20-HTSSOP	Manufacturer	Texas Instruments
Package20-TSSOP (0.173", 4.40mm Width) Exposed PadSeriesAutomotive, AEC-Q100Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)10VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)5.5VVoltage Dropout (Max)-Current - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)125µAPSRR60dB (1kHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-HTSSOP	Category	Integrated Circuits (ICs)
SeriesAutomotive, AEC-Q100Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)10VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)5.5VVoltage Dropout (Max)-Current - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)125µAPSRR60dB (1kHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-HTSSOP		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)10VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)5.5VVoltage Dropout (Max)-Current - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)125 µAPSRR60dB (1kHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-HTSSOP	Package	20-TSSOP (0.173", 4.40mm Width) Exposed Pad
Output TypeAdjustableNumber of Regulators1Voltage - Input (Max)10VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)5.5VVoltage Dropout (Max)-Current - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)125μAPSRR60dB (1kHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-HTSSOP	Series	Automotive, AEC-Q100
Number of Regulators Voltage - Input (Max) Voltage - Output (Min/Fixed) Voltage - Output (Max) Voltage - Output (Max) Voltage Dropout (Max) - Current - Output 1A Current - Quiescent (Iq) Current - Supply (Max) PSRR 60dB (1kHz) Control Features Finable, Power Good Protection Features Over Current, Over Temperature, Reverse Polarity Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-TSSOP (0.173", 4.40mm Width) Exposed Pad Supplier Device Package	Output Configuration	Positive
Voltage - Input (Max)10VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)5.5VVoltage Dropout (Max)-Current - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)125μAPSRR60dB (1kHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-HTSSOP	Output Type	Adjustable
Voltage - Output (Min/Fixed)1.2VVoltage - Output (Max)5.5VVoltage Dropout (Max)-Current - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)125μAPSRR60dB (1kHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-HTSSOP	Number of Regulators	1
Voltage - Output (Max) Voltage Dropout (Max) - Current - Output 1A Current - Quiescent (Iq) - Current - Supply (Max) 125μA PSRR 60dB (1kHz) Control Features Enable, Power Good Protection Features Over Current, Over Temperature, Reverse Polarity Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-TSSOP (0.173", 4.40mm Width) Exposed Pad Supplier Device Package	Voltage - Input (Max)	10V
Voltage Dropout (Max) Current - Output 1A Current - Quiescent (Iq) - Current - Supply (Max) PSRR 60dB (1kHz) Control Features Enable, Power Good Protection Features Over Current, Over Temperature, Reverse Polarity Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-TSSOP (0.173", 4.40mm Width) Exposed Pad Supplier Device Package	Voltage - Output (Min/Fixed)	1.2V
Current - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)125μAPSRR60dB (1kHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-HTSSOP	Voltage - Output (Max)	5.5V
Current - Quiescent (Iq)-Current - Supply (Max)125μAPSRR60dB (1kHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-HTSSOP	Voltage Dropout (Max)	-
Current - Supply (Max) $125\mu A$ $60dB (1kHz)$ $Control Features Enable, Power Good$ $Protection Features Over Current, Over Temperature, Reverse Polarity -40^{\circ}C \sim 125^{\circ}C Control Feature Surface Mount Surface Mount Supplier Device Package 20-HTSSOP 20-HTSSOP$	Current - Output	1A
PSRR 60dB (1kHz) Control Features Enable, Power Good Protection Features Over Current, Over Temperature, Reverse Polarity Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-TSSOP (0.173", 4.40mm Width) Exposed Pad Supplier Device Package 20-HTSSOP	Current - Quiescent (Iq)	-
Control Features Enable, Power Good Protection Features Over Current, Over Temperature, Reverse Polarity -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-TSSOP (0.173", 4.40mm Width) Exposed Pad Supplier Device Package 20-HTSSOP	Current - Supply (Max)	125μΑ
Protection Features Over Current, Over Temperature, Reverse Polarity -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-TSSOP (0.173", 4.40mm Width) Exposed Pad Supplier Device Package 20-HTSSOP	PSRR	60dB (1kHz)
Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 20-TSSOP (0.173", 4.40mm Width) Exposed Pad Supplier Device Package 20-HTSSOP	Control Features	Enable, Power Good
Mounting Type Surface Mount Package / Case 20-TSSOP (0.173", 4.40mm Width) Exposed Pad Supplier Device Package 20-HTSSOP	Protection Features	Over Current, Over Temperature, Reverse Polarity
Package / Case 20-TSSOP (0.173", 4.40mm Width) Exposed Pad Supplier Device Package 20-HTSSOP	Operating Temperature	-40°C ~ 125°C
Supplier Device Package 20-HTSSOP	Mounting Type	Surface Mount
	Package / Case	20-TSSOP (0.173", 4.40mm Width) Exposed Pad
Report errors?	Supplier Device Package	20-HTSSOP
		Report errors?

TPS76801QPWPRQ1 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.

TPS76801QPWPRQ1 Payment Methods





















TPS76801QPWPRQ1 Shipping Methods













If you have any question about TPS76801QPWPRQ1, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com