



### TPS76725QPWPRQ1 Information



For Reference Only

Part Number TPS76725QPWPRQ1
Manufacturer Texas Instruments
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear IC REG LINEAR 2.5V 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



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**Description** 









## **TPS76725QPWPRQ1 Specifications**

Manufacturer Part Number         TPS76725QPWRQ1           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         Fixed           Number of Regulators         1           Voltage - Input (Max)         10V           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         1A           Current - Supply (Max)         125µA           PSRR         60dB (1kHz)           Control Features         60dB (1kHz)           Control 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         Fixed           Number of Regulators         1           Voltage - Input (Max)         10V           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         1A           Current - Quiescent (Iq)         -           Current - Supply (Max)         125µA           PSRR         60dB (1kHz)           Control Features         Enable, Reset           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	TPS76725QPWPRQ1
Package 20-TSSOP (0.173", 4.40mm Width) Exposed Pad  Series Automotive, AEC-Q100  Output Configuration Positive  Output Type Fixed  Number of Regulators 1  Voltage - Input (Max) 10V  Voltage - Output (Min/Fixed) 2.5V  Voltage - Output (Max) -  Voltage Dropout (Max) -  Current - Output (Max) 1A  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	Manufacturer	Texas Instruments
Package 20-TSSOP (0.173", 4.40mm Width) Exposed Pad  Series Automotive, AEC-Q100  Output Configuration Positive  Output Type Fixed  Number of Regulators 1  Voltage - Input (Max) 10V  Voltage - Output (Min/Fixed) 2.5V  Voltage - Output (Max) -  Voltage Propout (Max) -  Voltage Dropout (Max) -  Current - Output (Aux) 1A  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	Category	Integrated Circuits (ICs)
Series Automotive, AEC-Q100  Output Configuration Positive Output Type Fixed  Number of Regulators 1  Voltage - Input (Max) 10V  Voltage - Output (Min/Fixed) 2.5V  Voltage - Output (Max) -  Voltage - Output (Max) -  Voltage Dropout (Max) -  Current - Output 1 A  Current - Quiescent (Iq) -  Current - Supply (Max) 125µA  PSRR 60dB (1kHz)  Control Features 6edB (2kHz)  Control Features Over Current, Over Temperature, Reverse Polarity  Operating Temperature 4-0°C ~ 125°C  Mounting Type Surface Mount  Package / Case 20-TSSOP (0.173", 4.40mm Width) Exposed Pad  Supplier Device Package 20-HTSSOP		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)10VVoltage - Output (Min/Fixed)2.5VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)125μAPSRR60dB (1kHz)Control FeaturesEnable, ResetProtection 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 Type Fixed  Number of Regulators 1  Voltage - Input (Max) 10V  Voltage - Output (Min/Fixed) 2.5V  Voltage - Output (Max) -  Voltage Dropout (Max) -  Current - Output (Max) -  Current - Quiescent (Iq) -  Current - Supply (Max) 125µA  PSRR 60dB (1kHz)  Control Features Enable, Reset  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	Series	Automotive, AEC-Q100
Number of Regulators  Voltage - Input (Max)  Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Voltage Dropout (Max)  -  Current - Output  IA  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  60dB (1kHz)  Control Features  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  10V  2.5V  A.40mm Width) Exposed Pad  Supplier Device Package	Output Configuration	Positive
Voltage - Input (Max)10VVoltage - Output (Min/Fixed)2.5VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)125μAPSRR60dB (1kHz)Control FeaturesEnable, ResetProtection 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	Fixed
Voltage - Output (Min/Fixed)2.5 VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)125μAPSRR60dB (1kHz)Control FeaturesEnable, ResetProtection 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, Reset  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, Reset  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  20-HTSSOP	Voltage - Output (Min/Fixed)	2.5V
Current - Output  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  60dB (1kHz)  Control Features  Enable, Reset  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 (Max)	-
Current - Quiescent (Iq)-Current - Supply (Max)125μAPSRR60dB (1kHz)Control FeaturesEnable, ResetProtection 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)125μAPSRR60dB (1kHz)Control FeaturesEnable, ResetProtection 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	Current - Output	1A
PSRR 60dB (1kHz)  Control Features Enable, Reset  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, Reset  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	Current - Supply (Max)	125μΑ
Protection Features Over Current, Over Temperature, Reverse Polarity  Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ 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, Reset
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?

### TPS76725QPWPRQ1 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.

### **TPS76725QPWPRQ1 Payment Methods**



















## **TPS76725QPWPRQ1 Shipping Methods**













If you have any question about TPS76725QPWPRQ1, please do not hesitate to contact us!

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