



## **TPS73801DCQR Information**

www.helsene.com

Part NumberTPS73801DCQRManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

**Description** IC REG LIN POS ADJ 1A SOT223-6

Package SOT-223-6

For the pricing/inventory/lead time, please contact

us

For Reference Only

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.









## **TPS73801DCQR Specifications**

Manufacturer Part Number         TPS7380IDCQR           Manufacturer         Texas Instruments           Category         Integrated Circuits (ICs)           Package         SOT-223-6           Series         -           Output Configuration         Positive           Output Type         Adjustable           Number of Regulators         1           Voltage - Input (Max)         20V           Voltage - Output (Min/Fixed)         1.21V           Voltage - Output (Max)         20V           Voltage - Output (Max)         0.5V @ 1A           Current - Output         1.A           Current - Supply (Max)         1.5mA ~ 80mA           PSRR         58dB ~ 37dB (100Hz ~ 10kHz)           Control Features         Cover Current, Over Temperature, Reverse Polarity           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         SOT-223-6           Supplier Device Package         SOT-223-6           Supplier Device Package         SOT-223-6	· · · · · · · · · · · · · · · · · · ·		
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         SOT-223-6           Series         -           Output Configuration         Positive           Output Type         Adjustable           Number of Regulators         1           Voltage - Input (Max)         20V           Voltage - Output (Min/Fixed)         1.21V           Voltage - Output (Max)         20V           Voltage Dropout (Max)         0.5V @ 1A           Current - Output         1A           Current - Quiescent (Iq)         -           Current - Supply (Max)         1.5mA ~ 80mA           PSRR         58dB ~ 37dB (100Hz ~ 10kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature, Reverse Polarity           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         SOT-223-6           Supplier Device Package         SOT-223-6	Manufacturer Part Number	TPS73801DCQR	
Package SOT-223-6 Series - Output Configuration Positive Output Type Adjustable Number of Regulators   1 Voltage - Input (Max) 20V Voltage - Output (Min/Fixed) 1.21V Voltage - Output (Max) 20V Voltage - Output (Max) 20V Voltage Dropout (Max) 20V Current - Output (Max) 1.4 Current - Quiescent (Iq) - Current - Supply (Max) 1.5mA ~ 80mA PSRR 58dB ~ 37dB (100Hz ~ 10kHz) Control Features Over Current, Over Temperature, Reverse Polarity Operating Temperature 40°C ~ 125°C Mounting Type Surface Mount Package / Case Supplier Device Package SOT-223-6 Supplier Device Package	Manufacturer	Texas Instruments	
PackageSOT-223-6Series-Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)20VVoltage - Output (Min/Fixed)1.21VVoltage - Output (Max)20VVoltage Dropout (Max)0.5V @ 1ACurrent - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)1.5mA ~ 80mAPSRR58dB ~ 37dB (100Hz ~ 10kHz)Control FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-223-6Supplier Device PackageSOT-223-6	Category	Integrated Circuits (ICs)	
Series-Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)20VVoltage - Output (Min/Fixed)1.21VVoltage - Output (Max)20VVoltage Dropout (Max)0.5V @ 1ACurrent - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)1.5mA ~ 80mAPSRR58dB ~ 37dB (100Hz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-223-6Supplier Device PackageSOT-223-6		PMIC - Voltage Regulators - Linear	
Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)20VVoltage - Output (Min/Fixed)1.21VVoltage - Output (Max)20VVoltage Dropout (Max)0.5V @ 1ACurrent - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)1.5mA ~ 80mAPSRR58dB ~ 37dB (100Hz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-223-6Supplier Device PackageSOT-223-6	Package	SOT-223-6	
Output TypeAdjustableNumber of Regulators1Voltage - Input (Max)20VVoltage - Output (Min/Fixed)1.21VVoltage - Output (Max)20VVoltage Dropout (Max)0.5V @ 1ACurrent - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)1.5mA ~ 80mAPSRR58dB ~ 37dB (100Hz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-223-6Supplier Device PackageSOT-223-6	Series	-	
Number of Regulators  Voltage - Input (Max)  Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Voltage - Output (Max)  Voltage Dropout (Max)  Voltage Dropout (Max)  0.5V @ 1A  Current - Output  1A  Current - Quiescent (Iq)  Current - Supply (Max)  1.5mA ~ 80mA  PSRR  58dB ~ 37dB (100Hz ~ 10kHz)  Control Features  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  SOT-223-6  Supplier Device Package	Output Configuration	Positive	
Voltage - Input (Max)  Voltage - Output (Min/Fixed)  1.21V  Voltage - Output (Max)  20V  Voltage Dropout (Max)  0.5V @ 1A  Current - Output  1A  Current - Quiescent (Iq)  - Current - Supply (Max)  1.5mA ~ 80mA  PSRR  58dB ~ 37dB (100Hz ~ 10kHz)  Control Features  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  SOT-223-6  Supplier Device Package  SOT-223-6	Output Type	Adjustable	
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  20V  Voltage Dropout (Max)  0.5V @ 1A  Current - Output  1A  Current - Quiescent (Iq)	Number of Regulators	1	
Voltage - Output (Max)  Voltage Dropout (Max)  0.5V @ 1A  Current - Output  1A  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  58dB ~ 37dB (100Hz ~ 10kHz)  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  SOT-223-6  Supplier Device Package	Voltage - Input (Max)	20V	
Voltage Dropout (Max)  Current - Output  1A  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  58dB ~ 37dB (100Hz ~ 10kHz)  Control Features  Enable  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  SOT-223-6  Supplier Device Package  SOT-223-6	Voltage - Output (Min/Fixed)	1.21V	
Current - Output  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  58dB ~ 37dB (100Hz ~ 10kHz)  Control Features  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  SOT-223-6  Supplier Device Package	Voltage - Output (Max)	20V	
Current - Quiescent (Iq)  Current - Supply (Max)  1.5mA ~ 80mA  PSRR  58dB ~ 37dB (100Hz ~ 10kHz)  Control Features  Enable  Protection Features  Over Current, Over Temperature, Reverse Polarity  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  SOT-223-6  Supplier Device Package	Voltage Dropout (Max)	0.5V @ 1A	
Current - Supply (Max)  1.5mA ~ 80mA  PSRR  58dB ~ 37dB (100Hz ~ 10kHz)  Control Features  Enable  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  SOT-223-6  Supplier Device Package  SOT-223-6	Current - Output	1A	
PSRR 58dB ~ 37dB (100Hz ~ 10kHz)  Control Features Enable  Protection Features Over Current, Over Temperature, Reverse Polarity  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case SOT-223-6  Supplier Device Package SOT-223-6	Current - Quiescent (Iq)	-	
Control Features  Protection Features  Over Current, Over Temperature, Reverse Polarity  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  SOT-223-6  Supplier Device Package  SOT-223-6	Current - Supply (Max)	1.5mA ~ 80mA	
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 SOT-223-6 Supplier Device Package SOT-223-6	PSRR	58dB ~ 37dB (100Hz ~ 10kHz)	
Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case SOT-223-6  Supplier Device Package SOT-223-6	Control Features	Enable	
Mounting Type Surface Mount Package / Case SOT-223-6 Supplier Device Package SOT-223-6	Protection Features	Over Current, Over Temperature, Reverse Polarity	
Package / Case SOT-223-6 Supplier Device Package SOT-223-6	Operating Temperature	-40°C ~ 125°C	
Supplier Device Package SOT-223-6	Mounting Type	Surface Mount	
••	Package / Case	SOT-223-6	
Report errors?	Supplier Device Package	SOT-223-6	
		Re	port errors?

### **TPS73801DCQR 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.

### **TPS73801DCQR Payment Methods**





















## **TPS73801DCQR Shipping Methods**













If you have any question about TPS73801DCQR, please do not hesitate to contact us!

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