



### **TPS71401DCKR Information**



For Reference Only

Part Number TPS71401DCKR
Manufacturer Texas Instruments
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

**Description** IC REG LIN POS ADJ 80MA SC70-5 **Package** 5-TSSOP, SC-70-5, SOT-353

For the pricing/inventory/lead time, please contact

us

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## **TPS71401DCKR Specifications**

Manufacturer Part NumberTPS71401DCKRManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)Package5-TSSOP, SC-70-5, SOT-353Series-Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)10VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)8.8VVoltage Dropout (Max)0.4V @ 500mACurrent - Output80mACurrent - Quiescent (Iq)-Current - Supply (Max) $4.2\mu A \sim 7.4\mu A$ PSRR $59dB \sim 54dB (120Hz)$ Control FeaturesEnable, Power GoodProtection FeaturesOver Temperature, Reverse PolarityOperating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Mounting TypeSurface Mount	•	
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         5-TSSOP, SC-70-5, SOT-353           Series         -           Output Configuration         Positive           Output Type         Adjustable           Number of Regulators         1           Voltage - Input (Max)         10V           Voltage - Output (Min/Fixed)         1.2V           Voltage - Output (Max)         8.8V           Voltage Dropout (Max)         0.4V @ 500mA           Current - Output         80mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         4.2µA ~ 7.4µA           PSRR         59dB ~ 54dB (120Hz)           Control Features         Enable, Power Good           Protection Features         Over Temperature, Reverse Polarity           Operating Temperature         -40°C ~ 125°C	Manufacturer Part Number	TPS71401DCKR
PMIC - Voltage Regulators - LinearPackage $5\text{-TSSOP}$ , SC-70-5, SOT-353Series-Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max) $10V$ Voltage - Output (Min/Fixed) $1.2V$ Voltage - Output (Max) $8.8V$ Voltage Dropout (Max) $0.4V @ 500\text{mA}$ Current - Output $80\text{mA}$ Current - Quiescent (Iq)-Current - Supply (Max) $4.2\mu\text{A} \sim 7.4\mu\text{A}$ PSRR $59\text{dB} \sim 54\text{dB} (120\text{Hz})$ Control FeaturesEnable, Power GoodProtection FeaturesOver Temperature, Reverse PolarityOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Manufacturer	Texas Instruments
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Number of Regulators1Voltage - Input (Max) $10V$ Voltage - Output (Min/Fixed) $1.2V$ Voltage - Output (Max) $8.8V$ Voltage Dropout (Max) $0.4V @ 500mA$ Current - Output $80mA$ Current - Quiescent (Iq)-Current - Supply (Max) $4.2\mu A \sim 7.4\mu A$ PSRR $59dB \sim 54dB (120Hz)$ Control FeaturesEnable, Power GoodProtection FeaturesOver Temperature, Reverse PolarityOperating Temperature $-40^{\circ}C \sim 125^{\circ}C$	Output Configuration	Positive
Voltage - Input (Max)10VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)8.8VVoltage Dropout (Max)0.4V @ 500mACurrent - Output80mACurrent - Quiescent (Iq)-Current - Supply (Max)4.2μA ~ 7.4μAPSRR59dB ~ 54dB (120Hz)Control FeaturesEnable, Power GoodProtection FeaturesOver Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°C	Output Type	Adjustable
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  8.8V  Voltage Dropout (Max)  0.4V @ 500mA  Current - Output  80mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  59dB ~ 54dB (120Hz)  Control Features  Protection Features  Over Temperature, Reverse Polarity  Operating Temperature  1.2V  1.2V  1.2V  8.8V  0.4V @ 500mA  8.8V  4.2 $\mu$ A ~ 7.4 $\mu$ A  PSRR  Over Temperature, Reverse Polarity  -40°C ~ 125°C	Number of Regulators	1
Voltage - Output (Max) 8.8V   Voltage Dropout (Max) 0.4V @ 500mA   Current - Output 80mA   Current - Quiescent (Iq) -   Current - Supply (Max) 4.2 $\mu$ A ~ 7.4 $\mu$ A   PSRR 59dB ~ 54dB (120Hz)   Control Features Enable, Power Good   Protection Features Over Temperature, Reverse Polarity   Operating Temperature -40°C ~ 125°C	Voltage - Input (Max)	10V
Voltage Dropout (Max) $0.4V @ 500mA$ Current - Output $80mA$ Current - Quiescent (Iq) - Current - Supply (Max) $4.2\mu A \sim 7.4\mu A$ PSRR $59dB \sim 54dB (120Hz)$ Control Features Enable, Power Good Protection Features Over Temperature, Reverse Polarity $-40^{\circ}C \sim 125^{\circ}C$	Voltage - Output (Min/Fixed)	1.2V
Current - Output $80mA$ Current - Quiescent (Iq)-Current - Supply (Max) $4.2\mu A \sim 7.4\mu A$ PSRR $59dB \sim 54dB$ (120Hz)Control FeaturesEnable, Power GoodProtection FeaturesOver Temperature, Reverse PolarityOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Voltage - Output (Max)	8.8V
Current - Quiescent (Iq) - $4.2\mu A \sim 7.4\mu A$ PSRR 59dB $\sim 54$ dB (120Hz)  Control Features Enable, Power Good  Protection Features Over Temperature, Reverse Polarity  Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Voltage Dropout (Max)	0.4V @ 500mA
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PSRR 59dB $\sim$ 54dB (120Hz)  Control Features Enable, Power Good  Protection Features Over Temperature, Reverse Polarity  Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Current - Quiescent (Iq)	-
Control Features Enable, Power Good  Protection Features Over Temperature, Reverse Polarity  Operating Temperature -40°C ~ 125°C	Current - Supply (Max)	$4.2\mu A \sim 7.4\mu A$
Protection Features Over Temperature, Reverse Polarity Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	PSRR	59dB ~ 54dB (120Hz)
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Control Features	Enable, Power Good
	Protection Features	Over Temperature, Reverse Polarity
Mounting Type Surface Mount	Operating Temperature	-40°C ~ 125°C
	Mounting Type	Surface Mount
Package / Case 5-TSSOP, SC-70-5, SOT-353	Package / Case	5-TSSOP, SC-70-5, SOT-353
Supplier Device Package SC-70-5	Supplier Device Package	SC-70-5
Report errors?		Report errors?

#### **TPS71401DCKR 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.

## **TPS71401DCKR Payment Methods**





















### **TPS71401DCKR Shipping Methods**













If you have any question about TPS71401DCKR, please do not hesitate to contact us!

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