

## **TC1301B-GFDVMF**

### **TC1301B-GFDVMF Information**



For Reference Only

Part Number TC1301B-GFDVMF

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear IC REG LIN 2.7V/2.8V/2.5V 8DFN

DescriptionIC REG LIN 2.7V/2.8V/2.5V 8DIPackage8-VDFN 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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# **Certified Quality**

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## **TC1301B-GFDVMF Specifications**

Manufacturer       TC1301B-GFDVMF         Manufacturer       Microchip Technology         Category       Integrated Circuits (ICs)         Package       8-VDFN Exposed Pad         Series       -         Output Configuration       Positive         Output Type       Fixed         Number of Regulators       2         Voltage - Input (Max)       6V         Voltage - Output (Min/Fixed)       2.7V, 2.8V, 2.5V         Voltage - Output (Max)       -         Voltage Dropout (Max)       0.18V @ 300mA, 0.25V @ 150mA         Current - Output       300mA, 150mA         Current - Quiescent (Iq)       -         Current - Supply (Max)       180μA         PSRR       58dB (100Hz)         Control Features       Enable, Reset         Protection Features       Over Current, Over Temperature         Operating Temperature       -40°C ~ 125°C         Mounting Type       Surface Mount		
Category  Integrated Circuits (ICs)  PMIC - Voltage Regulators - Linear  Package  8-VDFN Exposed Pad  Series  - Output Configuration  Positive  Output Type  Fixed  Number of Regulators  2 Voltage - Input (Max)  Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Voltage - Output (Max)  Voltage Dropout (Max)  - Voltage Dropout (Max)  Current - Output  300mA, 150mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  58dB (100Hz)  Control Features  Protection Features  Over Current, Over Temperature  -40°C ~ 125°C	Manufacturer Part Number	TC1301B-GFDVMF
Package 8-VDFN Exposed Pad  Series - Output Configuration Positive Output Type Fixed  Number of Regulators 2 Voltage - Input (Max) 6V Voltage - Output (Min/Fixed) 2.7V, 2.8V, 2.5V Voltage - Output (Max) - Voltage Dropout (Max) 0.18V @ 300mA, 0.25V @ 150mA  Current - Output 300mA, 150mA  Current - Quiescent (Iq) - Current - Supply (Max) 180µA  PSRR 58dB (100Hz)  Control Features Enable, Reset  Protection Features Over Current, Over Temperature Operating Temperature	Manufacturer	Microchip Technology
Package8-VDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6VVoltage - Output (Min/Fixed)2.7V, 2.8V, 2.5VVoltage - Output (Max)-Voltage Dropout (Max)0.18V @ 300mA, 0.25V @ 150mACurrent - Output300mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)180μAPSRR58dB (100Hz)Control FeaturesEnable, ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°C	Category	Integrated Circuits (ICs)
Series - Output Configuration Positive Output Type Fixed Number of Regulators 2 Voltage - Input (Max) 6V Voltage - Output (Min/Fixed) 2.7V, 2.8V, 2.5V Voltage - Output (Max) - Voltage Dropout (Max) 0.18V @ 300mA, 0.25V @ 150mA Current - Output 300mA, 150mA Current - Quiescent (Iq) - Current - Supply (Max) 180µA PSRR 58dB (100Hz) Control Features Protection Features Over Current, Over Temperature Operating Temperature - 40°C ~ 125°C		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6VVoltage - Output (Min/Fixed)2.7V, 2.8V, 2.5VVoltage - Output (Max)-Voltage Dropout (Max)0.18V @ 300mA, 0.25V @ 150mACurrent - Output300mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)180μAPSRR58dB (100Hz)Control FeaturesEnable, ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°C	Package	8-VDFN Exposed Pad
Output TypeFixedNumber of Regulators2Voltage - Input (Max)6VVoltage - Output (Min/Fixed)2.7V, 2.8V, 2.5VVoltage - Output (Max)-Voltage Dropout (Max)0.18V @ 300mA, 0.25V @ 150mACurrent - Output300mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)180μAPSRR58dB (100Hz)Control FeaturesEnable, ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°C	Series	-
Number of Regulators       2         Voltage - Input (Max)       6V         Voltage - Output (Min/Fixed)       2.7V, 2.8V, 2.5V         Voltage - Output (Max)       -         Voltage Dropout (Max)       0.18V @ 300mA, 0.25V @ 150mA         Current - Output       300mA, 150mA         Current - Quiescent (Iq)       -         Current - Supply (Max)       180μA         PSRR       58dB (100Hz)         Control Features       Enable, Reset         Protection Features       Over Current, Over Temperature         Operating Temperature       -40°C ~ 125°C	Output Configuration	Positive
Voltage - Input (Max)  Voltage - Output (Min/Fixed)  2.7V, 2.8V, 2.5V  Voltage - Output (Max)  - Voltage Dropout (Max)  Current - Output  300mA, 150mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  58dB (100Hz)  Control Features  Protection Features  Operating Temperature  6V  0.18V @ 300mA, 0.25V  @ 150mA  180mA  180mA  58dB (100Hz)  Control Features  Over Current, Over Temperature  -40°C ~ 125°C	Output Type	Fixed
Voltage - Output (Min/Fixed)2.7V, 2.8V, 2.5VVoltage - Output (Max)-Voltage Dropout (Max)0.18V @ 300mA, 0.25V @ 150mACurrent - Output300mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)180μAPSRR58dB (100Hz)Control FeaturesEnable, ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°C	Number of Regulators	2
Voltage - Output (Max)  Voltage Dropout (Max)  Current - Output  300mA, 150mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  58dB (100Hz)  Control Features  Protection Features  Operating Temperature  -40°C ~ 125°C	Voltage - Input (Max)	6V
Voltage Dropout (Max)0.18V @ 300mA, 0.25V @ 150mACurrent - Output300mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)180μAPSRR58dB (100Hz)Control FeaturesEnable, ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°C	Voltage - Output (Min/Fixed)	2.7V, 2.8V, 2.5V
Current - Output 300mA, 150mA  Current - Quiescent (Iq) -  Current - Supply (Max) 180 $\mu$ A  PSRR 58dB (100Hz)  Control Features Enable, Reset  Protection Features Over Current, Over Temperature  Operating Temperature -40°C ~ 125°C	Voltage - Output (Max)	-
Current - Quiescent (Iq) -	Voltage Dropout (Max)	0.18V @ 300mA, 0.25V @ 150mA
Current - Supply (Max) $180\mu A$ $PSRR$ $58dB (100Hz)$ $Enable, Reset$ $Protection Features$ $Over Current, Over Temperature$ $Operating Temperature$ $-40^{\circ}C \sim 125^{\circ}C$	Current - Output	300mA, 150mA
PSRR 58dB (100Hz)  Control Features Enable, Reset  Protection Features Over Current, Over Temperature  Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Current - Quiescent (Iq)	-
Control Features Enable, Reset  Over Current, Over Temperature  Operating Temperature  -40°C ~ 125°C	Current - Supply (Max)	180μΑ
Protection Features Over Current, Over Temperature Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	PSRR	58dB (100Hz)
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Control Features	Enable, Reset
	Protection Features	Over Current, Over Temperature
Mounting Type Surface Mount	Operating Temperature	-40°C ~ 125°C
• • •	Mounting Type	Surface Mount
Package / Case 8-VDFN Exposed Pad	Package / Case	8-VDFN Exposed Pad
Supplier Device Package 8-DFN-EP (3x3)	Supplier Device Package	8-DFN-EP (3x3)
Report errors?		Report errors?

#### **TC1301B-GFDVMF 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.

## **TC1301B-GFDVMF Payment Methods**



















### **TC1301B-GFDVMF Shipping Methods**













If you have any question about TC1301B-GFDVMF, please do not hesitate to contact us!

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