

TC1301B-DPAVMFTR

TC1301B-DPAVMFTR Information



For Reference Only

Part Number TC1301B-DPAVMFTR
Manufacturer Microchip Technology
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LIN 3V/1.8V/2.63V 8DFN

Package 8-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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TC1301B-DPAVMFTR Specifications

Manufacturer Part Number TC1301B-DPAVMFTR 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) 3V, 1.8V, 2.63V Voltage - Output (Max) - Voltage Dropout (Max) 0.18V @ 300mA, - 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) 6V Voltage - Output (Min/Fixed) 3V, 1.8V, 2.63V Voltage - Output (Max) - Voltage Dropout (Max) 0.18V @ 300mA, - 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	Manufacturer Part Number	TC1301B-DPAVMFTR
PMIC - Voltage Regulators - LinearPackage8-VDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6VVoltage - Output (Min/Fixed)3V, 1.8V, 2.63VVoltage - Output (Max)-Voltage Dropout (Max)0.18V @ 300mA, -Current - Output300mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)180μAPSRR58dB (100Hz)Control FeaturesEnable, ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°C	Manufacturer	Microchip Technology
Package8-VDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6VVoltage - Output (Min/Fixed)3V, 1.8V, 2.63VVoltage - Output (Max)-Voltage Dropout (Max)0.18V @ 300mA, -Current - 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 ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6VVoltage - Output (Min/Fixed)3V, 1.8V, 2.63VVoltage - Output (Max)-Voltage Dropout (Max)0.18V @ 300mA, -Current - Output300mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)180μAPSRR58dB (100Hz)Control FeaturesEnable, ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°C		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6VVoltage - Output (Min/Fixed)3V, 1.8V, 2.63VVoltage - Output (Max)-Voltage Dropout (Max)0.18V @ 300mA, -Current - 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)3V, 1.8V, 2.63VVoltage - Output (Max)-Voltage Dropout (Max)0.18V @ 300mA, -Current - Output300mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)180μAPSRR58dB (100Hz)Control FeaturesEnable, ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°C	Series	-
Number of Regulators2Voltage - Input (Max)6VVoltage - Output (Min/Fixed)3V, 1.8V, 2.63VVoltage - Output (Max)-Voltage Dropout (Max)0.18V @ 300mA, -Current - Output300mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)180μAPSRR58dB (100Hz)Control FeaturesEnable, ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°C	Output Configuration	Positive
Voltage - Input (Max) Voltage - Output (Min/Fixed) Voltage - Output (Max) Voltage - Output (Max) - Voltage Dropout (Max) Current - Output 300mA, 150mA Current - Quiescent (Iq) - Current - Supply (Max) 180μA PSRR 58dB (100Hz) Control Features Protection Features Over Current, Over Temperature -40°C ~ 125°C	Output Type	Fixed
Voltage - Output (Min/Fixed)3V, 1.8V, 2.63VVoltage - Output (Max)-Voltage Dropout (Max)0.18V @ 300mA, -Current - 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) 0.18V @ 300mA, - 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	Voltage - Input (Max)	6V
Voltage Dropout (Max)0.18V @ 300mA, -Current - 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)	3V, 1.8V, 2.63V
Current - Output $300 \text{mA}, 150 \text{mA}$ Current - Quiescent (Iq) - Current - Supply (Max) $180 \mu \text{A}$ PSRR $58 \text{dB} (100 \text{Hz})$ Control Features Enable, Reset Protection Features Over Current, Over Temperature Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Voltage - Output (Max)	-
Current - Quiescent (Iq) - Current - Supply (Max) 180 μ A	Voltage Dropout (Max)	0.18V @ 300mA, -
Current - Supply (Max) $180\mu A$ $58dB (100Hz)$ Control Features Enable, Reset $Control Features$ Over Current, Over Temperature $Control Feature $	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 FeaturesEnable, ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Current - Supply (Max)	180μΑ
Protection Features Over Current, Over 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-DPAVMFTR 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-DPAVMFTR Payment Methods



















TC1301B-DPAVMFTR Shipping Methods













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

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