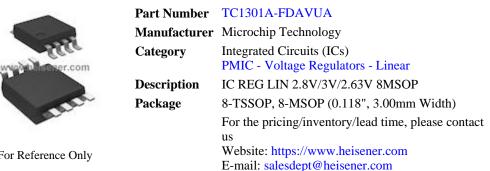


TC1301A-FDAVUA

TC1301A-FDAVUA Information





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For Reference Only

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.



TC1301A-FDAVUA Specifications

Manufacturer Microchip Technology Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package &-TSSOP, 8-MSOP (0.118", 3.00mm Width) Series - Output Configuration Positive Dutput Configuration Positive Number of Regulators 2 Voltage - Input (Max) 6V Voltage - Output (Min/Fixed) 2.8V, 3V, 2.63V 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 Over Current, Over Temperature Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)		
CategoryIntegrated Circuits (Cs)PMIC - Voltage Regulators - LinearPackage&-TSSOP, 8-MSOP (0.118", 3.00mm Width)Series-Output ConfigurationPositiveOutput ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6VVoltage - Output (Min/Fixed)2.8V, 3V, 2.63VVoltage - Output (Max)-Voltage Dutput (Max)0.18V @ 300mA, 0.25V @ 150mACurrent - Output300mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)180µAPSRRSadB (100Hz)Control FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case&-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Manufacturer Part Number	TC1301A-FDAVUA
PMIC - Voltage Regulators - LinearPackage&TSSOP, &MSOP (0.118", 3.00mm Width)Series-Output ConfigurationPositiveDutput ConfigurationPositiveNumber of Regulators2Voltage - Input (Max)6VVoltage - Output (Min/Fixed)2.8V, 3V, 2.63VVoltage - Output (Max)-Voltage Dropout (Max)0.18V @ 300mA, 0.25V @ 150mACurrent - Output300mA, 150mACurrent - Output300mA, 150mACurrent - Quiescent (Iq)-Current Supply (Max)180µAPSRR58dB (100Hz)Control FeaturesOver Current, Over TemperatureProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package8-MSOPSupplier Device Package8-MSOP	Manufacturer	Microchip Technology
Package8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6VVoltage - Output (Min/Fixed)2.8V, 3V, 2.63VVoltage - Output (Max)-Voltage - Output (Max)0.18V @ 300mA, 0.25V @ 150mACurrent - Output300mA, 150mACurrent - Output180µACurrent - Supply (Max)58dB (100Hz)Control Features58dB (100Hz)Protection FeaturesOver Current, Over TemperatureProtection Features40°C ~ 125°CMounting TypeSurface MountPackage / Case8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Category	Integrated Circuits (ICs)
Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6VVoltage - Output (Min/Fixed)2.8V, 3V, 2.63VVoltage - Output (Max)-Voltage Output (Max)0.18V @ 300mA, 0.25V @ 150mAVoltage Dropout (Max)0.18V @ 300mA, 0.25V @ 150mACurrent - Output300mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)180µAPSRR58dB (100Hz)Control FeaturesOver Current, Over TemperatureProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6VVoltage - Output (Min/Fixed)2.8V, 3V, 2.63VVoltage - Output (Max)-Voltage - Output (Max)0.18V @ 300mA, 0.25V @ 150mAVoltage Dropout (Max)0.18V @ 300mA, 0.25V @ 150mACurrent - Output300mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)180µAPSRR58dB (100Hz)Control FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-MSOP (0.118", 3.00mm Width)	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
PixedOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6VVoltage - Output (Min/Fixed)2.8V, 3V, 2.63VVoltage - Output (Max)-Voltage Dropout (Max)0.18V @ 300mA, 0.25V @ 150mACurrent - Output300mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)180µAPSRR58dB (100Hz)Control FeaturesOver Current, Over TemperatureOperating Temperature-Voltage Current, Over TemperatureOperating TemperatureSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Series	-
Number of Regulators2Voltage - Input (Max)6VVoltage - Output (Min/Fixed)2.8V, 3V, 2.63VVoltage - Output (Max)-Voltage Dropout (Max)0.18V @ 300mA, 0.25V @ 150mACurrent - Output300mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)180µAPSRR58dB (100Hz)Control FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Output Configuration	Positive
Voltage - Input (Max) 6V Voltage - Output (Min/Fixed) 2.8V, 3V, 2.63V 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 Over Current, Over Temperature Protection Features Over Current, Over Temperature Operating Temperature Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Output Type	Fixed
Voltage - Output (Min/Fixed)2.8V, 3V, 2.63VVoltage - 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°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Number of Regulators	2
Voltage - 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°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	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°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Voltage - Output (Min/Fixed)	2.8V, 3V, 2.63V
Current - Output300mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)180μAPSRR58dB (100Hz)Control FeaturesEnable, ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Voltage - Output (Max)	-
Current - Quiescent (Iq)-Current - Supply (Max)180μAPSRR58dB (100Hz)Control FeaturesEnable, ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Voltage Dropout (Max)	0.18V @ 300mA, 0.25V @ 150mA
Current - Supply (Max)180μAPSRR58dB (100Hz)Control FeaturesEnable, ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Current - Output	300mA, 150mA
PSRR58dB (100Hz)Control FeaturesEnable, ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Current - Quiescent (Iq)	-
Control FeaturesEnable, ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Current - Supply (Max)	180µA
Protection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	PSRR	58dB (100Hz)
Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Control Features	Enable, Reset
Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Protection Features	Over Current, Over Temperature
Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Operating Temperature	-40°C ~ 125°C
Supplier Device Package 8-MSOP	Mounting Type	Surface Mount
	Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Report errors?	Supplier Device Package	8-MSOP
		Report errors?

TC1301A-FDAVUA 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.

TC1301A-FDAVUA Payment Methods



TC1301A-FDAVUA Shipping Methods



If you have any question about TC1301A-FDAVUA, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com