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MCP1811BT-018/7QX

MCP1811BT-018/7QX Information

Part NumberMCP1811BT-018/7QXManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

DescriptionULTRA LOW IQ LDOPackage4-UDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

For Reference Only

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



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Certified Quality

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MCP1811BT-018/7QX Specifications

Manufacturer Part Number MCP1811BT-0187QX Manufacturer Microchip Technology Category Integrated Circuits (ICs) Package 4-UDFN Exposed Pad Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5 V Voltage - Output (Min/Fixed) 1.8 V Voltage - Output (Max) - Voltage - Output (Max) - Voltage - Output (Max) 0.6 V @ 150mA Current - Output 150mA Current - Quiescent (Iq) 0.5 µA Current - Supply (Max) 110µA PSRR 50dB (IkHz) Control Features Over Current Operating Temperature -40°C ~ 85°C (TJ) Mounting Type Surface Mount Package / Case 4-UDFN Exposed Pad Supplier Device Package 4-UGFN (Ix1)		
Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package 4-UDFN Exposed Pad Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.6V @ 150mA Current - Output 150mA Current - Quiescent (Iq) 0.5µA Current - Supply (Max) 110µA PSRR 50dB (1kHz) Control Features Enable Protection Features Over Current Operating Temperature -40°C ~ 85°C (TJ) Mounting Type Surface Mount Package / Case 4-UDFN Exposed Pad Supplier Device Package 4-UQFN (1x1)	Manufacturer Part Number	MCP1811BT-018/7QX
Package 4-UDFN Exposed Pad Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.6V @ 150mA Current - Output 150mA Current - Quiescent (Iq) 0.5μA Current - Supply (Max) 110μA PSRR 50dB (1kHz) Control Features Enable Protection Features Over Current Operating Temperature -40°C ~ 85°C (TJ) Mounting Type Surface Mount Package / Case 4-UDFN Exposed Pad Supplier Device Package 4-UQFN (1x1)	Manufacturer	Microchip Technology
Package 4-UDFN Exposed Pad Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.6V @ 150mA Current - Output 150mA Current - Quiescent (Iq) 0.5μA Current - Supply (Max) 110μA PSRR 50dB (1kHz) Control Features Over Current Operating Temperature -40°C ~ 85°C (TJ) Mounting Type Surface Mount Package / Case 4-UDFN Exposed Pad Supplier Device Package 4-UQFN (1x1)	Category	Integrated Circuits (ICs)
Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.6V @ 150mA Current - Output 150mA Current - Quiescent (Iq) 0.5µA Current - Supply (Max) 110µA PSRR 50dB (1kHz) Control Features Over Current Operating Temperature -40°C ~ 85°C (TJ) Mounting Type Surface Mount Package / Case 4-UDFN Exposed Pad Supplier Device Package 4-UQFN (1x1)		PMIC - Voltage Regulators - Linear
Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5 V Voltage - Output (Min/Fixed) 1.8 V Voltage - Output (Max) - Voltage Dropout (Max) 0.6 V @ 150mA Current - Output 150mA Current - Quiescent (Iq) 0.5 μA Current - Supply (Max) 110 μA PSRR 50dB (1kHz) Control Features Enable Protection Features Over Current Operating Temperature -40°C ~ 85°C (TJ) Mounting Type Surface Mount Package / Case 4-UDFN Exposed Pad Supplier Device Package 4-UQFN (1x1)	Package	4-UDFN Exposed Pad
Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5 V Voltage - Output (Min/Fixed) 1.8 V Voltage - Output (Max) - Voltage Dropout (Max) 0.6 V @ 150mA Current - Output 150mA Current - Quiescent (Iq) 0.5 μA Current - Supply (Max) 110 μA PSRR 50dB (1kHz) Control Features Enable Protection Features Over Current Operating Temperature -40°C ~ 85°C (TJ) Mounting Type Surface Mount Package / Case 4-UDFN Exposed Pad Supplier Device Package 4-UQFN (1x1)	Series	-
Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.6V @ 150mA Current - Output 150mA Current - Quiescent (Iq) 0.5μA Current - Supply (Max) 110μA PSRR 50dB (1kHz) Control Features Enable Protection Features Over Current Operating Temperature -40°C ~ 85°C (TJ) Mounting Type Surface Mount Package / Case 4-UDFN Exposed Pad Supplier Device Package 4-UQFN (1x1)	Output Configuration	Positive
Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.6V @ 150mACurrent - Output150mACurrent - Quiescent (Iq)0.5μACurrent - Supply (Max)110μAPSRR50dB (1kHz)Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°C (TJ)Mounting TypeSurface MountPackage / Case4-UDFN Exposed PadSupplier Device Package4-UQFN (1x1)	Output Type	Fixed
Voltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.6V @ 150mACurrent - Output150mACurrent - Quiescent (Iq)0.5μACurrent - Supply (Max)110μAPSRR50dB (1kHz)Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°C (TJ)Mounting TypeSurface MountPackage / Case4-UDFN Exposed PadSupplier Device Package4-UQFN (1x1)	Number of Regulators	1
Voltage - Output (Max) Voltage Dropout (Max) Current - Output 150mA Current - Quiescent (Iq) Current - Supply (Max) 110μA PSRR 50dB (1kHz) Control Features Enable Protection Features Over Current Operating Temperature 4-40°C ~ 85°C (TJ) Mounting Type Surface Mount Package / Case 4-UDFN Exposed Pad Supplier Device Package	Voltage - Input (Max)	5.5V
Voltage Dropout (Max)0.6V @ 150mACurrent - Output150mACurrent - Quiescent (Iq)0.5μACurrent - Supply (Max)110μAPSRR50dB (1kHz)Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°C (TJ)Mounting TypeSurface MountPackage / Case4-UDFN Exposed PadSupplier Device Package4-UQFN (1x1)	Voltage - Output (Min/Fixed)	1.8V
Current - Output150mACurrent - Quiescent (Iq)0.5μACurrent - Supply (Max)110μAPSRR50dB (1kHz)Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°C (TJ)Mounting TypeSurface MountPackage / Case4-UDFN Exposed PadSupplier Device Package4-UQFN (1x1)	Voltage - Output (Max)	-
Current - Quiescent (Iq) $0.5\mu A$ $110\mu A$ $110\mu A$ $PSRR$ $50dB (1kHz)$ $Enable$ $Protection Features$ $Over Current$ $Over Current$ $Operating Temperature$ $-40^{\circ}C \sim 85^{\circ}C (TJ)$ $Outling Type$	Voltage Dropout (Max)	0.6V @ 150mA
Current - Supply (Max)110μAPSRR50dB (1kHz)Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°C (TJ)Mounting TypeSurface MountPackage / Case4-UDFN Exposed PadSupplier Device Package4-UQFN (1x1)	Current - Output	150mA
PSRR 50dB (1kHz) Control Features Enable Protection Features Over Current Operating Temperature -40°C ~ 85°C (TJ) Mounting Type Surface Mount Package / Case 4-UDFN Exposed Pad Supplier Device Package 4-UQFN (1x1)	Current - Quiescent (Iq)	0.5μΑ
Control Features Protection Features Over Current Operating Temperature -40°C ~ 85°C (TJ) Mounting Type Surface Mount Package / Case 4-UDFN Exposed Pad Supplier Device Package 4-UQFN (1x1)	Current - Supply (Max)	110μΑ
Protection Features Over Current -40°C ~ 85°C (TJ) Mounting Type Surface Mount Package / Case 4-UDFN Exposed Pad Supplier Device Package 4-UQFN (1x1)	PSRR	50dB (1kHz)
Operating Temperature -40°C ~ 85°C (TJ) Mounting Type Surface Mount Package / Case 4-UDFN Exposed Pad Supplier Device Package 4-UQFN (1x1)	Control Features	Enable
Mounting Type Surface Mount Package / Case 4-UDFN Exposed Pad Supplier Device Package 4-UQFN (1x1)	Protection Features	Over Current
Package / Case 4-UDFN Exposed Pad Supplier Device Package 4-UQFN (1x1)	Operating Temperature	-40°C ~ 85°C (TJ)
Supplier Device Package 4-UQFN (1x1)	Mounting Type	Surface Mount
	Package / Case	4-UDFN Exposed Pad
Report errors?	Supplier Device Package	4-UQFN (1x1)
		Report errors?

MCP1811BT-018/7QX 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.

MCP1811BT-018/7QX Payment Methods



















MCP1811BT-018/7QX Shipping Methods













If you have any question about MCP1811BT-018/7QX, please do not hesitate to contact us!

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