

MIC47050-1.2YML-TRVAO Information

Contraction and the second sec	Part Number	MIC47050-1.2YML-TRVAO	
	Manufacturer	Microchip Technology	
	Category	Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear	
	Description	LOW VIN SINGLE 500MA LDO	- 報
	Package	6-VDFN Exposed Pad, 6-MLF®	- 26
		For the pricing/inventory/lead time, please contact	
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Rec



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MIC47050-1.2YML-TRVAO Specifications

ManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Package6-VDFN Exposed Pad, 6-MLF®Package6-VDFN Exposed Pad, 6-MLF®SeriesAutomotive, AEC-Q100Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)3.6VVoltage - Output (Max)-Voltage Output (Max)0.12V @ 500mACurrent - Output500mACurrent - Output15µACurrent - Supply (Max)-SerRR50dB ~ 37dB (10kHz ~ 100kHz)Control FeaturesOver Temperature, Under Voltage Lockout (UVLO)Operating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF®		
CategoryIntegrated Circuits (Cs)PMIC - Voltage Regulators - LinearPackage6-VDFN Exposed Pad, 6-MLF@SeriesAutomotive, AEC-Q100Output ConfigurationPositiveOutput ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dropout (Max)0.12V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)15µACurrent - Supply (Max)-PSRR50dB ~ 37dB (10kHz ~ 100kHz)Control FeaturesOver Temperature, Under Voltage Lockout (UVLO)Operating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF@Supplier Device Package6-MLF@ (2x2)	Manufacturer Part Number	MIC47050-1.2YML-TRVAO
PMIC - Voltage Regulators - LinearPackage6-VDFN Exposed Pad, 6-MLF®SeriesAutomotive, AEC-Q100Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dropout (Max)0.12V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)15µACurrent - Supply (Max)-PSRR50dB ~ 37dB (10kHz ~ 100kHz)Control FeaturesFinable, Power GoodProtection FeaturesOver Temperature, Under Voltage Lockout (UVLO)Operating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF®Supplier Device Package6-MLF® (2x2)	Manufacturer	Microchip Technology
Package6-VDFN Exposed Pad, 6-MLF®SeriesAutomotive, AEC-Q100Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dropout (Max)0.12V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)15µACurrent - Supply (Max)-PSRR50dB ~ 37dB (10kHz ~ 100kHz)Control FeaturesFinable, Power GoodProtection FeaturesOver Temperature, Under Voltage Lockout (UVLO)Operating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF®Supplier Device Package6-MLF® (2x2)	Category	Integrated Circuits (ICs)
SeriesAutomotive, AEC-Q100Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)0.12V @ 500mAVoltage Dropout (Max)500mACurrent - Output500mACurrent - Quiescent (Iq)15µACurrent - Supply (Max)-PSRR50dB ~ 37dB (10kHz ~ 100kHz)Control FeaturesFnable, Power GoodProtection FeaturesOver Temperature, Under Voltage Lockout (UVLO)Operating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF®Supplier Device Package6-MLF® (2x2)		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage - Output (Max)0.12V @ 500mACurrent - Output500mACurrent - Output15µACurrent - Supply (Max)-PSRR50dB ~ 37dB (10kHz ~ 100kHz)Control FeaturesSover Temperature, Under Voltage Lockout (UVLO)Operating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF®Supplier Device Package6-MLF® (2x2)	Package	6-VDFN Exposed Pad, 6-MLF®
PrivateFixedOutput TypeFixedNumber of Regulators1Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dropout (Max)0.12V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)15µACurrent - Supply (Max)-PSRR50dB ~ 37dB (10kHz ~ 100kHz)Control FeaturesDover Temperature, Under Voltage Lockout (UVLO)Operating Temperature440°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-MLF® (2x2)	Series	Automotive, AEC-Q100
Number of Regulators1Number of Regulators3.6VVoltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dropout (Max)0.12V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)15µACurrent - Supply (Max)-PSRR50dB ~ 37dB (10kHz ~ 100kHz)Control FeaturesDover Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF®Supplier Device Package6-MLF® (2x2)	Output Configuration	Positive
Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dropout (Max)0.12V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)15µACurrent - Supply (Max)-PSRR50dB ~ 37dB (10kHz ~ 100kHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF®Supplier Device Package6-MLF@ (2x2)	Output Type	Fixed
Voltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dropout (Max)0.12V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)15µACurrent - Supply (Max)-PSRR50dB ~ 37dB (10kHz ~ 100kHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF®Supplier Device Package6-MLF® (2x2)	Number of Regulators	1
Voltage - Output (Max)-Voltage Dropout (Max)0.12V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)15μACurrent - Supply (Max)-PSRR50dB ~ 37dB (10kHz ~ 100kHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF®Supplier Device Package6-MLF® (2x2)	Voltage - Input (Max)	3.6V
Voltage Dropout (Max)0.12V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)15μACurrent - Supply (Max)-PSRR50dB ~ 37dB (10kHz ~ 100kHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF®Supplier Device Package6-MLF® (2x2)	Voltage - Output (Min/Fixed)	1.2V
Current - Output500mACurrent - Quiescent (Iq)15μACurrent - Supply (Max)-PSRR50dB ~ 37dB (10kHz ~ 100kHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF®Supplier Device Package6-MLF® (2x2)	Voltage - Output (Max)	-
Current - Quiescent (Iq)15µACurrent - Supply (Max)-PSRR50dB ~ 37dB (10kHz ~ 100kHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF®Supplier Device Package6-MLF® (2x2)	Voltage Dropout (Max)	0.12V @ 500mA
Current - Supply (Max)-PSRR50dB ~ 37dB (10kHz ~ 100kHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF®Supplier Device Package6-MLF® (2x2)	Current - Output	500mA
PSRR50dB ~ 37dB (10kHz ~ 100kHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF®Supplier Device Package6-MLF® (2x2)	Current - Quiescent (Iq)	15μΑ
Control FeaturesEnable, Power GoodProtection FeaturesOver Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF®Supplier Device Package6-MLF® (2x2)	Current - Supply (Max)	-
Protection FeaturesOver Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF®Supplier Device Package6-MLF® (2x2)	PSRR	50dB ~ 37dB (10kHz ~ 100kHz)
Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF®Supplier Device Package6-MLF® (2x2)	Control Features	Enable, Power Good
Mounting TypeSurface MountPackage / Case6-VDFN Exposed Pad, 6-MLF®Supplier Device Package6-MLF® (2x2)	Protection Features	Over Temperature, Under Voltage Lockout (UVLO)
Package / Case 6-VDFN Exposed Pad, 6-MLF® Supplier Device Package 6-MLF® (2x2)	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 6-MLF® (2x2)	Mounting Type	Surface Mount
	Package / Case	6-VDFN Exposed Pad, 6-MLF®
Report errors?	Supplier Device Package	6-MLF® (2x2)
		Report errors?

MIC47050-1.2YML-TRVAO 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.

MIC47050-1.2YML-TRVAO Payment Methods



If you have any question about MIC47050-1.2YML-TRVAO, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com