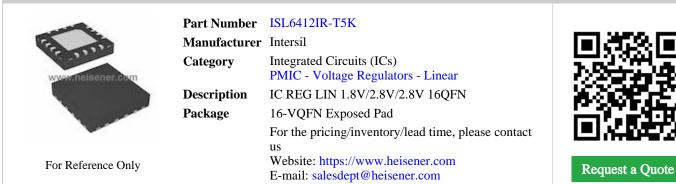


ISL6412IR-T5K

ISL6412IR-T5K Information



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.



ISL6412IR-T5K Specifications

ManufacturerIntersilCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackage16-VQFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators3Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.8V, 2.8VVoltage - Output (Max)-Voltage Doupout (Max)-Current - Output330mA, 225mA, 0.16V @ 125mACurrent - Output1.125mACurrent - Supply (Max)-PSRR-Control FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-Mounting TypeSurface MountPackage / CaseSurface Mount			
CategoryIntegrated Circuits (ICs)PAtCaegenPMIC - Voltage Regulators - LinearPackage16-VQFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators3Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.8V, 2.8VVoltage - Output (Max)-Voltage Doupout (Max)-Current - Output330mA, 225mA, 0.16V @ 125mACurrent - Output3.00M, 225mA, 0.16V @ 125mACurrent - Quiescent (Iq)-Current - Supply (Max)1.125mAPSRR-Control FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature4.0°C ~ 85°CMounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Manufacturer Part Number	ISL6412IR-T5K	
PMIC - Voltage Regulators - LinearPackage16-VQFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators3Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.8V, 2.8V, 2.8VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output330mA, 225mA, 0.16V @ 125mACurrent - Quiescent (Iq)-Current - Supply (Max)1.125mAPSRR-Control FeaturesOver Current, Over Temperature, Short CircuitPoperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Manufacturer	Intersil	
Package16-VQFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators3Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.8V, 2.8V, 2.8VVoltage - Output (Max)-Voltage - Output (Max)-Voltage Dropout (Max)-Current - Output330mA, 225mA, 0.16V @ 125mACurrent - Quiescent (Iq)-Current - Supply (Max)1.125mAPSRR-Control FeaturesOver Current, Over Temperature, Short CircuitProtection FeaturesOver Current, Over Temperature, Short CircuitPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Category	Integrated Circuits (ICs)	
Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators3Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.8V, 2.8V, 2.8VVoltage - Output (Max)-Voltage Dorpout (Max)-, 0.16V @ 225mA, 0.16V @ 125mACurrent - Output330mA, 225mA, 125mACurrent - Output1.125mACurrent - Supply (Max)-PSRR-Control FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature40°C ~ 85°CMounting TypeI6-VQFN Exposed PadPackage / Case16-QFN (4x4)		PMIC - Voltage Regulators - Linear	
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators3Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.8V, 2.8V, 2.8VVoltage - Output (Max)-Voltage - Output (Max)-, 0.16V @ 225mA, 0.16V @ 125mAVoltage Dropout (Max)-, 0.16V @ 225mA, 0.16V @ 125mACurrent - Output330mA, 225mA, 125mACurrent - Quiescent (Iq)-Current - Supply (Max)1.125mAPSRR-Control FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Package	16-VQFN Exposed Pad	
Output TypeFixedNumber of Regulators3Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.8V, 2.8V, 2.8VVoltage - Output (Max)-Voltage Dropout (Max)-, 0.16V @ 225mA, 0.16V @ 125mACurrent - Output330mA, 225mA, 125mACurrent - Quiescent (Iq)-Current - Supply (Max)1.125mAPSRR-Control FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-QFN (4x4)	Series	-	
Number of Regulators3Number of Regulators3.6VVoltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.8V, 2.8V, 2.8VVoltage - Output (Max)-Voltage Dropout (Max)-, 0.16V @ 225mA, 0.16V @ 125mACurrent - Output330mA, 225mA, 0.16V @ 125mACurrent - Quiescent (Iq)-Current - Supply (Max)1.125mAPSRR-Control FeaturesEnable, Fault Output, ResetProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Output Configuration	Positive	
Voltage - Input (Max) 3.6V Voltage - Output (Min/Fixed) 1.8V, 2.8V, 2.8V Voltage - Output (Max) - Voltage Dropout (Max) -, 0.16V @ 225mA, 0.16V @ 125mA Current - Output 330mA, 225mA, 125mA Current - Quiescent (Iq) - Current - Supply (Max) 1.125mA PSRR - Control Features Enable, Fault Output, Reset Portection Features Over Current, Over Temperature, Short Circuit Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 16-QFN Exposed Pad Supplier Device Package 16-QFN (4x4)	Output Type	Fixed	
Voltage - Output (Min/Fixed)1.8V, 2.8V, 2.8VVoltage - Output (Max)-Voltage Dropout (Max)-, 0.16V @ 225mA, 0.16V @ 125mACurrent - Output330mA, 225mA, 125mACurrent - Quiescent (Iq)-Current - Supply (Max)1.125mAPSRR-Control FeaturesEnable, Fault Output, ResetProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Number of Regulators	3	
Voltage - Output (Max)-Voltage Dropout (Max)-, 0.16V @ 225mA, 0.16V @ 125mACurrent - Output330mA, 225mA, 0.16V @ 125mACurrent - Quiescent (Iq)-Current - Supply (Max)1.125mAPSRR-Control FeaturesEnable, Fault Output, ResetProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Voltage - Input (Max)	3.6V	
Voltage Dropout (Max)-, 0.16V @ 225mA, 0.16V @ 125mACurrent - Output330mA, 225mA, 125mACurrent - Quiescent (Iq)-Current - Supply (Max)1.125mAPSRR-Control FeaturesEnable, Fault Output, ResetProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Voltage - Output (Min/Fixed)	1.8V, 2.8V, 2.8V	
Current - Output330mA, 225mA, 125mACurrent - Quiescent (Iq)-Current - Supply (Max)1.125mAPSRR-Control FeaturesEnable, Fault Output, ResetProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Voltage - Output (Max)	-	
Current - Quiescent (Iq)-Current - Supply (Max)1.125mAPSRR-Control FeaturesEnable, Fault Output, ResetProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Voltage Dropout (Max)	-, 0.16V @ 225mA, 0.16V @ 125mA	
Current - Supply (Max)1.125mAPSRR-Control FeaturesEnable, Fault Output, ResetProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Current - Output	330mA, 225mA, 125mA	
PSRR-Control FeaturesEnable, Fault Output, ResetProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Current - Quiescent (Iq)	-	
Control FeaturesEnable, Fault Output, ResetProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Current - Supply (Max)	1.125mA	
Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	PSRR	-	
Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Control Features	Enable, Fault Output, Reset	
Mounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Protection Features	Over Current, Over Temperature, Short Circuit	
Package / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Operating Temperature	$-40^{\circ}\mathrm{C} \sim 85^{\circ}\mathrm{C}$	
Supplier Device Package 16-QFN (4x4)	Mounting Type	Surface Mount	
	Package / Case	16-VQFN Exposed Pad	
Report errors?	Supplier Device Package	16-QFN (4x4)	
			Report errors?

ISL6412IR-T5K 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 EUARANTEE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

ISL6412IR-T5K Payment Methods





If you have any question about ISL6412IR-T5K, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com