

ISL78302ARBNZ-T7A

ISL78302ARBNZ-T7A Information



For Reference Only

Part NumberISL78302ARBNZ-T7AManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR 1.5V/3.3V 10DFN

Package 10-VFDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

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.









ISL78302ARBNZ-T7A Specifications

Manufacturer Part Number ISL78302ARBNZ-T7A Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package 10-VFDFN Exposed Pad Series Automotive, AEC-Q100 Output Configuration Positive Output Type Fixed Number of Regulators 2 Voltage - Input (Max) 6.5V Voltage - Output (Min/Fixed) 1.5V, 3.3V Voltage - Output (Max) -, 0.3V @ 300mA (Typ) Current - Output 300mA, 300mA Current - Supply (Max) 55µA PSRR 64dB ~ 38dB (1kHz ~ 100kHz), - Control Features 64dB ~ 98dB (1kHz ~ 100kHz), - Protection Features Over Current, Over Temperature Mounting Type Surface Mount Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-DFN (3x3)	•	
Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package 10-VFDFN Exposed Pad Series Automotive, AEC-Q100 Output Configuration Positive Output Type Fixed Number of Regulators 2 Voltage - Input (Max) 6.5V Voltage - Output (Min/Fixed) 1.5V, 3.3V Voltage - Output (Max) - Voltage Dropout (Max) -, 0.3V @ 300mA (Typ) Current - Output 300mA, 300mA Current - Quiescent (Iq) 36µA Current - Supply (Max) 55µA PSRR 64dB ~ 38dB (1kHz ~ 100kHz), - Control Features Enable, Power On Reset Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 105°C Mounting Type Surface Mount Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-DFN (3x3)	Manufacturer Part Number	ISL78302ARBNZ-T7A
Package 10-VFDFN Exposed Pad Series Automotive, AEC-Q100 Output Configuration Positive Output Type Fixed Number of Regulators 2 Voltage - Input (Max) 6.5V Voltage - Output (Min/Fixed) 1.5V, 3.3V Voltage - Output (Max) - Voltage Dropout (Max) -, 0.3V @ 300mA (Typ) Current - Output 300mA, 300mA Current - Quiescent (Iq) 36μA Current - Supply (Max) 55μA PSRR 64dB ~ 38dB (1kHz ~ 100kHz), - Control Features Over On Reset Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 105°C Mounting Type Surface Mount Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-DFN (3x3)	Manufacturer	Renesas Electronics America
Package 10-VFDFN Exposed Pad Series Automotive, AEC-Q100 Output Configuration Positive Output Type Fixed Number of Regulators 2 Voltage - Input (Max) 6.5V Voltage - Output (Min/Fixed) 1.5V, 3.3V Voltage - Output (Max) - Voltage Dropout (Max) -, 0.3V @ 300mA (Typ) Current - Output 300mA, 300mA Current - Supply (Max) 55μA PSRR 64dB ~ 38dB (1kHz ~ 100kHz), - Control Features Enable, Power On Reset Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 105°C Mounting Type Surface Mount Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-DFN (3x3)	Category	Integrated Circuits (ICs)
SeriesAutomotive, AEC-Q100Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5 VVoltage - Output (Min/Fixed)1.5 V, 3.3 VVoltage - Output (Max)-Voltage Dropout (Max)-, 0.3 V @ 300mA (Typ)Current - Output300mA, 300mACurrent - Quiescent (Iq)36μACurrent - Supply (Max)55μAPSRR64dB ~ 38dB (1kHz ~ 100kHz), -Control FeaturesEnable, Power On ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 105°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)1.5V, 3.3VVoltage - Output (Max)-Voltage Dropout (Max)-, 0.3V @ 300mA (Typ)Current - Output300mA, 300mACurrent - Quiescent (Iq)36μACurrent - Supply (Max)55μAPSRR64dB ~ 38dB (1kHz ~ 100kHz), -Control FeaturesEnable, Power On ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 105°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Package	10-VFDFN Exposed Pad
Output TypeFixedNumber of Regulators2Voltage - Input (Max)6.5 VVoltage - Output (Min/Fixed)1.5 V, 3.3 VVoltage - Output (Max)-Voltage Dropout (Max)-, 0.3 V @ 300mA (Typ)Current - Output300mA, 300mACurrent - Quiescent (Iq)36μACurrent - Supply (Max)55μAPSRR64dB ~ 38dB (1kHz ~ 100kHz), -Control FeaturesEnable, Power On ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 105°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Series	Automotive, AEC-Q100
Number of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)1.5V, 3.3VVoltage - Output (Max)-Voltage Dropout (Max)-, 0.3V @ 300mA (Typ)Current - Output300mA, 300mACurrent - Quiescent (Iq)36μACurrent - Supply (Max)55μAPSRR64dB ~ 38dB (1kHz ~ 100kHz), -Control FeaturesEnable, Power On ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 105°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Output Configuration	Positive
Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)1.5V, 3.3VVoltage - Output (Max)-Voltage Dropout (Max)-, 0.3V @ 300mA (Typ)Current - Output300mA, 300mACurrent - Quiescent (Iq)36μACurrent - Supply (Max)55μAPSRR64dB ~ 38dB (1kHz ~ 100kHz), -Control FeaturesEnable, Power On ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 105°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Output Type	Fixed
Voltage - Output (Min/Fixed) Voltage - Output (Max) - , 0.3V @ 300mA (Typ) Current - Output 300mA, 300mA Current - Quiescent (Iq) 36μA Current - Supply (Max) 55μA PSRR 64dB ~ 38dB (1kHz ~ 100kHz), - Control Features Protection Features Over Current, Over Temperature Operating Temperature 40°C ~ 105°C Mounting Type Surface Mount Package / Case Supplier Device Package 10-DFN (3x3)	Number of Regulators	2
Voltage - Output (Max) Voltage Dropout (Max) -, 0.3V @ 300mA (Typ) Current - Output 300mA, 300mA Current - Quiescent (Iq) 36μA Current - Supply (Max) 55μA PSRR 64dB ~ 38dB (1kHz ~ 100kHz), - Control Features Enable, Power On Reset Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 105°C Mounting Type Surface Mount Package / Case 10-VFDFN Exposed Pad Supplier Device Package	Voltage - Input (Max)	6.5V
Voltage Dropout (Max) -, 0.3V @ 300mA (Typ) Current - Output 300mA, 300mA Current - Quiescent (Iq) 36μA Current - Supply (Max) PSRR 64dB ~ 38dB (1kHz ~ 100kHz), - Control Features Enable, Power On Reset Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 105°C Mounting Type Surface Mount Package / Case 10-VFDFN Exposed Pad Supplier Device Package	Voltage - Output (Min/Fixed)	1.5V, 3.3V
Current - Output $300 \text{mA}, 300 \text{mA}$ Current - Quiescent (Iq) $36 \mu \text{A}$ Current - Supply (Max) $55 \mu \text{A}$ PSRR $64 \text{dB} \sim 38 \text{dB} (1 \text{kHz} \sim 100 \text{kHz}), -$ Control Features Enable, Power On Reset Protection Features Over Current, Over Temperature Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-DFN (3x3)	Voltage - Output (Max)	-
Current - Quiescent (Iq)36μACurrent - Supply (Max)55μAPSRR64dB ~ 38dB (1kHz ~ 100kHz), -Control FeaturesEnable, Power On ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 105°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Voltage Dropout (Max)	-, 0.3V @ 300mA (Typ)
Current - Supply (Max)55μAPSRR64dB ~ 38dB (1kHz ~ 100kHz), -Control FeaturesEnable, Power On ResetProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 105°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Current - Output	300mA, 300mA
PSRR 64dB ~ 38dB (1kHz ~ 100kHz), - Control Features Enable, Power On Reset Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 105°C Mounting Type Surface Mount Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-DFN (3x3)	Current - Quiescent (Iq)	36μΑ
Control Features Enable, Power On Reset Over Current, Over Temperature Operating Temperature -40°C ~ 105°C Mounting Type Surface Mount Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-DFN (3x3)	Current - Supply (Max)	55μΑ
Protection FeaturesOver Current, Over TemperatureOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $10\text{-VFDFN Exposed Pad}$ Supplier Device Package 10-DFN (3x3)	PSRR	64dB ~ 38dB (1kHz ~ 100kHz), -
Operating Temperature -40°C ~ 105°C Mounting Type Surface Mount Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-DFN (3x3)	Control Features	Enable, Power On Reset
Mounting Type Surface Mount Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-DFN (3x3)	Protection Features	Over Current, Over Temperature
Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-DFN (3x3)	Operating Temperature	-40°C ~ 105°C
Supplier Device Package 10-DFN (3x3)	Mounting Type	Surface Mount
••	Package / Case	10-VFDFN Exposed Pad
Report errors?	Supplier Device Package	10-DFN (3x3)
		Report errors?

ISL78302ARBNZ-T7A 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.

ISL78302ARBNZ-T7A Payment Methods



















ISL78302ARBNZ-T7A Shipping Methods













If you have any question about ISL78302ARBNZ-T7A, please do not hesitate to contact us!

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