



ISL80505IRAJZ-T7A Information



For Reference Only

Part Number ISL80505IRAJZ-T7A

ManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR POS ADJ 500MA 8DFN

Package 8-VDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



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ISL80505IRAJZ-T7A Specifications

Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear		
Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package 8-VDFN Exposed Pad Series - Output Configuration Positive Output Type Adjustable Number of Regulators 1 Voltage - Input (Max) 6V Voltage - Output (Min/Fixed) 0.8V Voltage - Output (Max) 5.5V Voltage Dropout (Max) 0.09V @ 500mA Current - Output 500mA Current - Quiescent (Iq) 4.6mA Current - Supply (Max) 5.7mA PSRR 60dB ~ 57dB (120Hz ~ 1kHz) Control Features Enable, Soft Start Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	Manufacturer Part Number	ISL80505IRAJZ-T7A
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Series - Output Configuration Positive Output Type Adjustable Number of Regulators 1 Voltage - Input (Max) 6V Voltage - Output (Min/Fixed) 0.8V Voltage - Output (Max) 5.5V Voltage Dropout (Max) 0.09V @ 500mA Current - Output 500mA Current - Quiescent (Iq) 4.6mA Current - Supply (Max) 5.7mA PSRR 60dB ~ 57dB (120Hz ~ 1kHz) Control Features Enable, Soft Start Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)		PMIC - Voltage Regulators - Linear
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Output TypeAdjustableNumber of Regulators1Voltage - Input (Max)6VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)5.5VVoltage Dropout (Max)0.09V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)4.6mACurrent - Supply (Max)5.7mAPSRR60dB ~ 57dB (120Hz ~ 1kHz)Control FeaturesEnable, Soft StartProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN (3x3)	Series	-
Number of Regulators Voltage - Input (Max) Voltage - Output (Min/Fixed) Voltage - Output (Max) Voltage - Output (Max) Voltage Dropout (Max) Voltage Dropout (Max) 0.09V @ 500mA Current - Output 500mA Current - Quiescent (Iq) 4.6mA Current - Supply (Max) 5.7mA PSRR 60dB ~ 57dB (120Hz ~ 1kHz) Control Features Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package	Output Configuration	Positive
Voltage - Input (Max) Voltage - Output (Min/Fixed) 0.8V Voltage - Output (Max) 5.5V Voltage Dropout (Max) 0.09V @ 500mA Current - Output 500mA Current - Quiescent (Iq) 4.6mA Current - Supply (Max) 5.7mA PSRR 60dB ~ 57dB (120Hz ~ 1kHz) Control Features Frotection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package	Output Type	Adjustable
Voltage - Output (Min/Fixed) Voltage - Output (Max) 5.5V Voltage Dropout (Max) 0.09V @ 500mA Current - Output 500mA Current - Quiescent (Iq) 4.6mA Current - Supply (Max) 5.7mA PSRR 60dB ~ 57dB (120Hz ~ 1kHz) Control Features Protection Features Over Current, Over Temperature Operating Temperature 40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package	Number of Regulators	1
Voltage - Output (Max) Voltage Dropout (Max) Current - Output 500mA Current - Quiescent (Iq) Current - Supply (Max) PSRR 60dB ~ 57dB (120Hz ~ 1kHz) Control Features Frotection Features Over Current, Over Temperature Operating Temperature Operating Type Surface Mount Package / Case Supplier Device Package 5.5V 5.5V 5.5V 5.5V 5.6V 6.009 © 500mA 6.6MA 6.6MA 6.7mA 6.7mA	Voltage - Input (Max)	6V
Voltage Dropout (Max) Current - Output 500mA Current - Quiescent (Iq) 4.6mA Current - Supply (Max) PSRR 60dB ~ 57dB (120Hz ~ 1kHz) Control Features Enable, Soft Start Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	Voltage - Output (Min/Fixed)	0.8V
Current - Output Current - Quiescent (Iq) 4.6mA Current - Supply (Max) 5.7mA PSRR 60dB ~ 57dB (120Hz ~ 1kHz) Control Features Enable, Soft Start Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	Voltage - Output (Max)	5.5V
Current - Quiescent (Iq) 4.6mA Current - Supply (Max) 5.7mA PSRR 60dB ~ 57dB (120Hz ~ 1kHz) Control Features Enable, Soft Start Protection Features Over Current, Over Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	Voltage Dropout (Max)	0.09V @ 500mA
Current - Supply (Max) 5.7mA PSRR 60dB ~ 57dB (120Hz ~ 1kHz) Enable, Soft Start Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package	Current - Output	500mA
PSRR 60dB ~ 57dB (120Hz ~ 1kHz) Control Features Enable, Soft Start Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	Current - Quiescent (Iq)	4.6mA
Control Features Enable, Soft Start Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	Current - Supply (Max)	5.7mA
Protection Features Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	PSRR	60dB ~ 57dB (120Hz ~ 1kHz)
Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	Control Features	Enable, Soft Start
Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	Protection Features	Over Current, Over Temperature
Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	Operating Temperature	-40°C ~ 125°C
Supplier Device Package 8-DFN (3x3)	Mounting Type	Surface Mount
	Package / Case	8-VDFN Exposed Pad
Report errors?	Supplier Device Package	8-DFN (3x3)
		Report errors

ISL80505IRAJZ-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.

ISL80505IRAJZ-T7A Payment Methods



















ISL80505IRAJZ-T7A Shipping Methods













If you have any question about ISL80505IRAJZ-T7A, please do not hesitate to contact us!

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