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See specifications for product details.



ISL80510IRAJZ-T

Manufacturer Part Number	ISL80510IRAJZ-T
Manufacturer	Renesas Electronics Corporation
Allelco Part Number	32D-ISL80510IRAJZ-T
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC REG LINEAR POS ADJ 1A 8DFN
Package	8-VDFN Exposed Pad
Data sheet	ISL80510IRAJZ-T.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ISL80510IRAJZ-T - Renesas Electronics America Inc. New Original in Stock. Download Linear Technology ISL80510IRAJZ-T datasheet/specifications on AllelcoElec.com. Request a quote for ISL80510IRAJZ-T, please send us email: info@allelco.com

Specifications

ISL80510IRAJZ-T Tech Specifications
ISL80510IRAJZ-T - Renesas Electronics America Inc technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Renesas Electronics Corporation	Output Type	Adjustable
Voltage Dropout (Max)	0.212V @ 1A	Output Configuration	Positive
Voltage - Output (Min/Fixed)	0.8V	Operating Temperature	-40°C ~ 125°C
Voltage - Output (Max)	5.5V	Number of Regulators	1
Voltage - Input (Max)	6V	Mounting Type	Surface Mount
Supplier Device Package	8-DFN (3x3)	Current - Supply (Max)	5.7 mA
Series	-	Current - Quiescent (Iq)	4.6 mA
Protection Features	Over Current, Over Temperature	Current - Output	1A
Package / Case	8-VDFN Exposed Pad	Control Features	Enable, Soft Start
Package	Tape & Reel (TR)	Base Product Number	ISL80510
PSRR	58dB ~ 48dB (120Hz ~ 1kHz)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Renesas Electronics America Inc ISL80510IRAJZ-T

Product Attribute				
Part Number	ISL80510IRAJZ-T	ISL80505IRAJZ	ISL80505IRAJZ-T	ISL8104CRZ
Manufacturer	Renesas Electronics America Inc	Renesas Electronics America Inc	Renesas Electronics America Inc	Renesas Electronics America Inc
Voltage - Output (Min/Fixed)	0.8V	0.8V	0.8V	-
Control Features	Enable, Soft Start	Enable, Soft Start	Enable, Soft Start	Current Limit, Enable, Frequency Control, Soft Start
Package	Tape & Reel (TR)	Tube	Tape & Reel (TR)	Tube
Output Configuration	Positive	Positive	Positive	Positive
Base Product Number	ISL80510	ISL80505	ISL80505	ISL8104
Number of Regulators	1	1	1	-
Voltage - Input (Max)	6V	6V	6V	-
Current - Quiescent (Iq)	4.6 mA	4.6 mA	4.6 mA	-
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	0°C ~ 70°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Supply (Max)	5.7 mA	5.7 mA	5.7 mA	-
Output Type	Adjustable	Adjustable	Adjustable	Transistor Driver
Series	-	-	-	-
Protection Features	Over Current, Over Temperature	Over Current, Over Temperature	Over Current, Over Temperature	-
Current - Output	1A	500mA	500mA	-
Voltage Dropout (Max)	0.212V @ 1A	0.09V @ 500mA	0.09V @ 500mA	-
PSRR	58dB ~ 48dB (120Hz ~ 1kHz)	60dB ~ 57dB (120Hz ~ 1kHz)	60dB ~ 57dB (120Hz ~ 1kHz)	-
Package / Case	8-VDFN Exposed Pad	8-VDFN Exposed Pad	8-VDFN Exposed Pad	16-VQFN Exposed Pad
Supplier Device Package	8-DFN (3x3)	8-DFN (3x3)	8-DFN (3x3)	16-QFN (4x4)
Voltage - Output (Max)	5.5V	5.5V	5.5V	-

ISL80510IRAJZ-T Datasheet PDF

Download ISL80510IRAJZ-T pdf datasheets and Renesas Electronics America Inc documentation for ISL80510IRAJZ-T - Renesas Electronics America Inc.

PCN Packaging

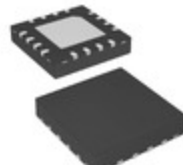
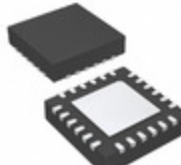
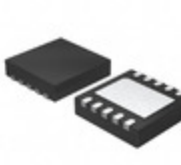
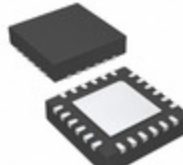
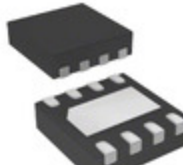
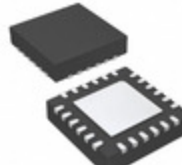
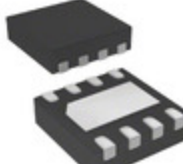
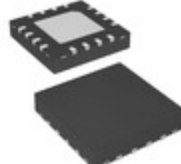
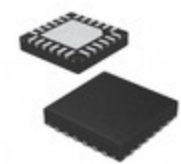
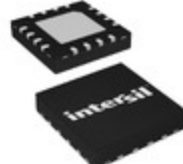

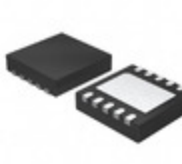

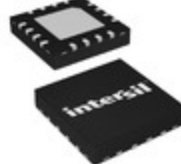

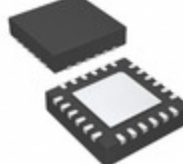

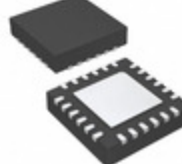
2.73KHz.pdf

PCN Assembly/Origin

2.73KHz.pdf

Customers Also Interested in

Recommended Products

 ISL8104CRZ Renesas Electronics America Inc IC REG CTRLR BUCK 16QFN	 ISL8033IRZ-T Renesas Electronics America Inc IC REG BUCK ADJ 3A DL 24QFN	 ISL8088IRZ Renesas Electronics America Inc IC REG BUCK ADJ 800MA DL 10DFN	 ISL8101CRZ Renesas Electronics America Inc IC REG CTRLR INTEL 10UT 24QFN	 ISL80505IRAJZ Renesas Electronics America Inc IC REG LINEAR POS ADJ 500MA 8DFN	 ISL8033AIRZ Renesas Electronics America Inc IC REG BUCK ADJ 3A DL 24QFN
 ISL80505IRAJZ-T Renesas Electronics America Inc IC REG LINEAR POS ADJ 500MA 8DFN	 ISL8104CRZ-T Renesas Electronics America Inc IC REG CTRLR BUCK 16QFN	 ISL8036IRZ Renesas Electronics America Inc IC REG BUCK ADJ 3A SGL/DL 24QFN	 ISL8026AIRTAJZ Renesas Electronics America Inc IC REG BUCK ADJUSTABLE 6A 16TQFN	 ISL8104CRZ Intersil SWITCHING CONTROLLER, VOLTAGE-MO	 ISL8088IRZ-T Renesas Electronics America Inc IC REG BUCK ADJ 800MA DL 10DFN
 ISL8101CRZ Intersil DUAL SWITCHING CONTROLLER	 ISL8026AIRTAJZ-T Renesas Electronics America Inc IC REG BUCK ADJUSTABLE 6A 16TQFN	 ISL8105AIBZ Renesas Electronics America Inc IC REG CTRLR BUCK 8SOIC	 ISL8033AIRZ-T Renesas Electronics America Inc IC REG BUCK ADJ 3A DL 24QFN	 ISL8105AIBZ-T Renesas Electronics America Inc IC REG CTRLR BUCK 8SOIC	 ISL8036IRZ-T Renesas Electronics America Inc IC REG BUCK ADJ 3A SGL/DL 24QFN

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



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 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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