

ISL80031AFRZ-T

ISL80031AFRZ-T 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.



ISL80031AFRZ-T Specifications

ManufacturerIntersilCategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - DC DC Switching RegulatorsPackage8-VFDFN Exposed PadSeries-Series-CoutorStep-DownOutput ConfigurationStep-DownPoologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Man)5.5VVoltage - Output (Min/Fixed)6.6VVoltage - Output (Max)5.5VCurrent - Output3AFrequency - SwitchingYMESynchronous RectifierYesOperating Temperature4.0°C ~ 125°C (TJ)Mounting Type8.VFDFN Exposed Pad		
Integrated Circuits (ICs) PAckage PMIC - Voltage Regulators - DC DC Switching Regulators Package 8-VFDFN Exposed Pad Series - Function Step-Down Output Configuration Buck Output Configuration Buck Output Type Adjustable Number of Outputs 1 Voltage - Input (Min) 2.7V Voltage - Output (Min/Fixed) 0.6V Voltage - Output (Min/Fixed) 0.6V Voltage - Output (Max) 5.5V Current - Output 3A Frequency - Switching QMHz Synchronous Rectifier Yes Operating Temperature 40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-DFN (2x2)	Manufacturer Part Number	ISL80031AFRZ-T
PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage8-VFDFN Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositiveBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.7VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Min/Fixed)5.5VCurrent - Output3AFrequency - Switching2MHzSynchronous RectifierYesOperating Temperature4.0°C ~ 125°C (TJ)Mounting TypeS-VFDFN Exposed PadSupplier Device Package8-DFN (2x2)	Manufacturer	Intersil
Package8-VFDFN Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.7VVoltage - Input (Min/Fixed)0.6VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Min/Fixed)5.5VOperating Temperature3ASynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x2)	Category	Integrated Circuits (ICs)
Series-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.7VVoltage - Input (Min/Fixed)0.6VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)5.5VCurrent - Output3AFrequency - SwitchingYesOperating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-DFIN (2x2)		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableOutput Type1Number of Outputs2.7VVoltage - Input (Min)2.7VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Max)5.5VCurrent - Output3AFrequency - Switching2MHzSynchronous Rectifier40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-DFN (2x2)	Package	8-VFDFN Exposed Pad
Output ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.7VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)5.5VCurrent - Output3AFrequency - Switching2MHzSynchronous RectifierYesOperating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x2)	Series	-
TopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.7VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)5.5VCurrent - Output3AFrequency - Switching2MHzSynchronous RectifierYesOperating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x2)	Function	Step-Down
Output TypeAdjustableOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.7VVoltage - Input (Max)5.5VVoltage - Output (Max)0.6VVoltage - Output (Max)5.5VCurrent - Output3AFrequency - Switching2MHzSynchronous Rectifier-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x2)	Output Configuration	Positive
Number of Outputs1Number of Outputs1Voltage - Input (Min)2.7VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)5.5VCurrent - Output3AFrequency - Switching2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x2)	Topology	Buck
Voltage - Input (Min)2.7VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)5.5VCurrent - Output3AFrequency - Switching2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x2)	Output Type	Adjustable
Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)5.5VCurrent - Output3AFrequency - Switching2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x2)	Number of Outputs	1
Voltage - Output (Min/Fixed)0.6VVoltage - Output (Max)5.5VCurrent - Output3AFrequency - Switching2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x2)	Voltage - Input (Min)	2.7V
Voltage - Output (Max)5.5VCurrent - Output3AFrequency - Switching2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x2)	Voltage - Input (Max)	5.5V
Current - Output3AFrequency - Switching2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x2)	Voltage - Output (Min/Fixed)	0.6V
Frequency - Switching2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x2)	Voltage - Output (Max)	5.5V
Synchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x2)	Current - Output	3A
Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x2)	Frequency - Switching	2MHz
Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x2)	Synchronous Rectifier	Yes
Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x2)	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package8-DFN (2x2)	Mounting Type	Surface Mount
	Package / Case	8-VFDFN Exposed Pad
Report errors?	Supplier Device Package	8-DFN (2x2)
		Report errors?

ISL80031AFRZ-T 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 BUARANTEE

Service Guarantees

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

ISL80031AFRZ-T Payment Methods



ISL80031AFRZ-T Shipping Methods



If you have any question about ISL80031AFRZ-T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com