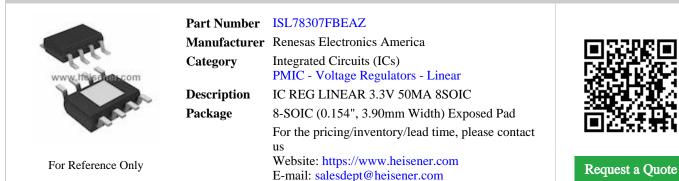


# ISL78307FBEAZ

#### **ISL78307FBEAZ 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.



## **ISL78307FBEAZ Specifications**

Manufacturer         Renesas Electronics America           Manufacturer         Renesas Electronics America           Manufacturer         Renesas Electronics America           Manufacturer         PMIC - Voltage Regulators - Linear           Package         8-SOIC (0.154", 3.90mm Width) Exposed Pad           Series         Automotive, AEC-Q100           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         40V           Voltage - Output (Min/Fixed)         3.3V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Voltage Dropout (Max)         0.34V @ 50mA           Current - Output         SomA           Current - Quiescent (Iq)         28µA           Current - Quiescent (Iq)         90µA           PSRR         58dB (100Hz)           Control Features         Over Current, Over Temperature           Protection Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 125°C           Mounting Type         Sufface Mount           Package / Case         Sufface Mount			
CategoryIntegrated Circuits (ICs)PArkagePMIC - Voltage Regulators - LinearPackage8-SOIC (0.154", 3.90mm Width) Exposed PadSeriesAutomotive, AEC-Q100Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)40VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.34V @ 50mACurrent - Output50mACurrent - Quiescent (Iq)28µACurrent - Supply (Max)90µAPSRR58dB (100Hz)Protection FeaturesOver Current, Over TemperatureOperating Temperature40°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Manufacturer Part Number	ISL78307FBEAZ	
PMIC - Voltage Regulators - LinearPackage8-SOIC (0.154", 3.90mm Width) Exposed PadSeriesAutomotive, AEC-Q100Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)40VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Poutput (Max)0.34V @ 50mACurrent - Output50mACurrent - Output (Max)90µACurrent - Supply (Max)90µAPSRR58dB (100Hz)Control FeaturesFinableProtection FeaturesOver Current, Over TemperatureOperating Temperature40°C ~ 125°CMounting TypeSufface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Manufacturer	Renesas Electronics America	
Package8-SOIC (0.154", 3.90mm Width) Exposed PadSeriesAutomotive, AEC-Q100Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)40VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.34V @ 50mACurrent - Output50mACurrent - Quiescent (Iq)28µACurrent - Supply (Max)90µAPSRR58dB (100Hz)Control FeaturesOver Current, Over TemperatureProtection FeaturesOver Current, Over TemperatureOperating Temperature40°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Category	Integrated Circuits (ICs)	
SeriesAutomotive, AEC-Q100Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)40VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage - Output (Max)0.34V @ 50mAVoltage Dropout (Max)50mACurrent - Output50mACurrent - Quiescent (Iq)28µACurrent - Supply (Max)90µAPSRR58dB (100Hz)Control FeaturesOver Current, Over TemperatureProtection Features0.40°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (D.154°, 3.90mm Width) Exposed Pad		PMIC - Voltage Regulators - Linear	
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)40VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage - Output (Max)0.34V @ 50mACurrent - Output50mACurrent - Output28µACurrent - Supply (Max)90µAPSRR58dB (100Hz)Control FeaturesOver Current, Over TemperatureOperating Temperature40°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Package	8-SOIC (0.154", 3.90mm Width) Exposed Pad	
PrivateFixedOutput TypeFixedNumber of Regulators1Voltage - Input (Max)40VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.34V @ 50mACurrent - Output50mACurrent - Quiescent (Iq)28µACurrent - Supply (Max)90µAPSRR58dB (100Hz)Control FeaturesSver Current, Over TemperatureOperating Temperature40°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Series	Automotive, AEC-Q100	
Number of Regulators1Voltage - Input (Max)40VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.34V @ 50mACurrent - Output50mACurrent - Quiescent (Iq)28µACurrent - Supply (Max)90µAPSRR58dB (100Hz)Control FeaturesNove Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Output Configuration	Positive	
Voltage - Input (Max)         40V           Voltage - Output (Min/Fixed)         3.3V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.34V @ 50mA           Current - Output         50mA           Current - Output         28µA           Current - Supply (Max)         90µA           PSRR         58dB (100Hz)           Control Features         Dever Current, Over Temperature           Protection Features         Over Current, Over Temperature           Operating Temperature         40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width) Exposed Pad           Supplier Device Package         8-SOIC-EP	Output Type	Fixed	
Voltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.34V @ 50mACurrent - Output50mACurrent - Quiescent (Iq)28μACurrent - Supply (Max)90μAPSRR58dB (100Hz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Number of Regulators	1	
Voltage - Output (Max)-Voltage Dropout (Max)0.34V @ 50mACurrent - Output50mACurrent - Quiescent (Iq)28μACurrent - Supply (Max)90μAPSRR58dB (100Hz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Voltage - Input (Max)	40V	
Voltage Dropout (Max)0.34V @ 50mACurrent - Output50mACurrent - Quiescent (Iq)28μACurrent - Supply (Max)90μAPSRR58dB (100Hz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed Pad	Voltage - Output (Min/Fixed)	3.3V	
Current - Output50mACurrent - Quiescent (Iq)28μACurrent - Supply (Max)90μAPSRR58dB (100Hz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Voltage - Output (Max)	-	
Current - Quiescent (Iq)28μACurrent - Supply (Max)90μAPSRR58dB (100Hz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Voltage Dropout (Max)	0.34V @ 50mA	
Current - Supply (Max)90μAPSRR58dB (100Hz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Current - Output	50mA	
PSRR58dB (100Hz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Current - Quiescent (Iq)	28µA	
Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Current - Supply (Max)	90µA	
Protection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	PSRR	58dB (100Hz)	
Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Control Features	Enable	
Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Protection Features	Over Current, Over Temperature	
Package / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Operating Temperature	-40°C ~ 125°C	
Supplier Device Package 8-SOIC-EP	Mounting Type	Surface Mount	
	Package / Case	8-SOIC (0.154", 3.90mm Width) Exposed Pad	
Report errors?	Supplier Device Package	8-SOIC-EP	
			Report errors?

#### **ISL78307FBEAZ 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.

#### **ISL78307FBEAZ Payment Methods**



#### **ISL78307FBEAZ Shipping Methods**



If you have any question about ISL78307FBEAZ, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com