



### ISL60002CIH312 Information



Part Number ISL60002CIH312

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
PMIC - Voltage Reference

**Description** IC VREF SERIES 1.25V SOT23-3 **Package** TO-236-3, SC-59, SOT-23-3

For the pricing/inventory/lead time, please contact

us

For Reference Only

Website: https://www.heisener.com
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# **Certified Quality**

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## ISL60002CIH312 Specifications

Manufacturer Part Number         ISL60002CIH312           Manufacturer         Renesas Electronics America           Category         Integrated Circuits (ICs)           PMIC - Voltage Reference           Package         TO-236-3, SC-59, SOT-23-3           Series         FGATM           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         1.25V           Voltage - Output (Max)         -           Current - Output         7mA           Tolerance         ±0.2%           Temperature Coefficient         20ppm/°C           Noise - 0.1Hz to 10Hz         30µVp-p           Noise - 10Hz to 10kHz         -           Voltage - Input         2.7 V ~ 5.5 V           Current - Supply         900nA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23-3		
Category         Integrated Circuits (ICs)           PMIC - Voltage Reference           Package         TO-236-3, SC-59, SOT-23-3           Series         FGA™           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         1.25V           Voltage - Output (Max)         -           Current - Output         7mA           Tolerance         ±0.2%           Temperature Coefficient         20ppm/°C           Noise - 0.1Hz to 10Hz         30μVp-p           Noise - 10Hz to 10kHz         -           Voltage - Input         2.7 V ~ 5.5 V           Current - Supply         900nA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23-3	Manufacturer Part Number	ISL60002CIH312
Package         PMIC - Voltage Reference           Package         TO-236-3, SC-59, SOT-23-3           Series         FGATM           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         1.25 V           Voltage - Output (Max)         -           Current - Output         7mA           Tolerance         ±0.2%           Temperature Coefficient         20ppm/°C           Noise - 0.1Hz to 10Hz         30μVp-p           Noise - 10Hz to 10kHz         -           Voltage - Input         2.7 V ~ 5.5 V           Current - Supply         900nA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23-3	Manufacturer	Renesas Electronics America
Package         TO-236-3, SC-59, SOT-23-3           Series         FGATM           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         1.25 V           Voltage - Output (Max)         -           Current - Output         7mA           Tolerance         ±0.2%           Temperature Coefficient         20ppm/°C           Noise - 0.1Hz to 10Hz         30μVp-p           Noise - 10Hz to 10kHz         -           Voltage - Input         2.7 V ~ 5.5 V           Current - Supply         900nA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23-3	Category	Integrated Circuits (ICs)
Series         FGA™           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         1.25V           Voltage - Output (Max)         -           Current - Output         7mA           Tolerance         ±0.2%           Temperature Coefficient         20ppm/°C           Noise - 0.1Hz to 10Hz         30µVp-p           Noise - 10Hz to 10kHz         -           Voltage - Input         2.7 V ~ 5.5 V           Current - Supply         900nA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23-3		PMIC - Voltage Reference
Reference TypeSeriesOutput TypeFixedVoltage - Output (Min/Fixed)1.25 VVoltage - Output (Max)-Current - Output7mATolerance±0.2%Temperature Coefficient20ppm/°CNoise - 0.1Hz to 10Hz30µVp-pNoise - 10Hz to 10kHz-Voltage - Input2.7 V ~ 5.5 VCurrent - Supply900nACurrent - Cathode-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Package	TO-236-3, SC-59, SOT-23-3
Output Type         Fixed           Voltage - Output (Min/Fixed)         1.25 V           Voltage - Output (Max)         -           Current - Output         7mA           Tolerance         ±0.2%           Temperature Coefficient         20ppm/°C           Noise - 0.1Hz to 10Hz         30μVp-p           Noise - 10Hz to 10kHz         -           Voltage - Input         2.7 V ~ 5.5 V           Current - Supply         900nA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23-3	Series	FGA <sup>TM</sup>
Voltage - Output (Min/Fixed)       1.25 V         Voltage - Output (Max)       -         Current - Output       7mA         Tolerance       ±0.2%         Temperature Coefficient       20ppm/°C         Noise - 0.1Hz to 10Hz       30μVp-p         Noise - 10Hz to 10kHz       -         Voltage - Input       2.7 V ~ 5.5 V         Current - Supply       900nA         Current - Cathode       -         Operating Temperature       -40°C ~ 85°C (TA)         Mounting Type       Surface Mount         Package / Case       TO-236-3, SC-59, SOT-23-3         Supplier Device Package       SOT-23-3	Reference Type	Series
Voltage - Output (Max)       -         Current - Output       7mA         Tolerance       ±0.2%         Temperature Coefficient       20ppm/°C         Noise - 0.1Hz to 10Hz       30μVp-p         Noise - 10Hz to 10kHz       -         Voltage - Input       2.7 V ~ 5.5 V         Current - Supply       900nA         Current - Cathode       -         Operating Temperature       -40°C ~ 85°C (TA)         Mounting Type       Surface Mount         Package / Case       TO-236-3, SC-59, SOT-23-3         Supplier Device Package       SOT-23-3	Output Type	Fixed
Current - Output $7mA$ Tolerance $\pm 0.2\%$ Temperature Coefficient $20ppm/^{\circ}C$ Noise - $0.1Hz$ to $10Hz$ $30\mu Vp-p$ Noise - $10Hz$ to $10kHz$ -Voltage - Input $2.7 \text{ V} \sim 5.5 \text{ V}$ Current - Supply $900nA$ Current - Cathode-Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Voltage - Output (Min/Fixed)	1.25V
Tolerance $\pm 0.2\%$ Temperature Coefficient $20ppm/^{\circ}C$ Noise - $0.1Hz$ to $10Hz$ $30\mu Vp-p$ Noise - $10Hz$ to $10kHz$ - $2.7 V \sim 5.5 V$ Current - Supply $2.7 V \sim 5.5 V$ Current - Cathode - $2.7 V \sim 5.5 V$ Operating Temperature $2.7 V \sim 5.5 V$ Mounting Type Surface Mount Package / Case $2.7 V \sim 5.5 V$ Supplier Device Package $2.7 V \sim 5.5 V$	Voltage - Output (Max)	-
Temperature Coefficient 20ppm/°C  Noise - 0.1Hz to 10Hz 30 $\mu$ Vp-p  Noise - 10Hz to 10kHz -  Voltage - Input 2.7 V ~ 5.5 V  Current - Supply 900nA  Current - Cathode -  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package SOT-23-3	Current - Output	7mA
Noise - 0.1Hz to 10Hz $30\mu Vp$ -p $0.1Hz$ to 10Hz $0.1Hz$ $0.1Hz$ to 10kHz $0.1Hz$ $0.1Hz$ to 10kHz $0.1Hz$ $0.1Hz$ $0.1Hz$ to 10kHz $0.1Hz$	Tolerance	±0.2%
Noise - 10Hz to 10kHz -  Voltage - Input 2.7 V ~ 5.5 V  Current - Supply 900nA  Current - Cathode -  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package SOT-23-3	Temperature Coefficient	20ppm/°C
Voltage - Input2.7 V ~ 5.5 VCurrent - Supply900nACurrent - Cathode-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Noise - 0.1Hz to 10Hz	30μVp-p
Current - Supply 900nA  Current - Cathode - Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package SOT-23-3	Noise - 10Hz to 10kHz	-
Current - Cathode -  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package SOT-23-3	Voltage - Input	2.7 V ~ 5.5 V
Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package  SOT-23-3	Current - Supply	900nA
Mounting Type Surface Mount Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package SOT-23-3	Current - Cathode	-
Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package SOT-23-3	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package SOT-23-3	Mounting Type	Surface Mount
	Package / Case	TO-236-3, SC-59, SOT-23-3
Report errors?	Supplier Device Package	SOT-23-3
		Report errors?

### ISL60002CIH312 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.

## ISL60002CIH312 Payment Methods

































If you have any question about ISL60002CIH312, please do not hesitate to contact us!

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