



### ISL55191IBZ Information



For Reference Only

Part Number ISL55191IBZ

ManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP VFB 800MHZ RRO 8SOIC

**Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



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# **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.









# **ISL55191IBZ Specifications**

Manufacturer Part Number         ISL551911BZ           Manufacturer         Renesas Electronics America           Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           Amplifier Type         Voltage Feedback           Number of Circuits         1           Output Type         Rail-to-Rail           Slew Rate         260 V/μs           Gain Bandwidth Product         800MHz           -3db Bandwidth         -           Current - Input Bias         12μA           Voltage - Input Offset         170μV           Current - Output / Channel         132mA           Voltage - Supply, Single/Dual (±)         3 V ~ 5 V, ±1.5 V ~ 2.5 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SOIC		
Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           Amplifier Type         Voltage Feedback           Number of Circuits         1           Output Type         Rail-to-Rail           Slew Rate         260 V/µs           Gain Bandwidth Product         800MHz           -3db Bandwidth         -           Current - Input Bias         12µA           Voltage - Input Offset         170µV           Current - Supply         12mA           Current - Output / Channel         132mA           Voltage - Supply, Single/Dual (±)         3 V ~ 5 V, ±1.5 V ~ 2.5 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SOIC	Manufacturer Part Number	ISL55191IBZ
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Series - Amplifier Type Voltage Feedback Number of Circuits 1   Output Type Rail-to-Rail   Slew Rate 260 V/ $\mu$ s   Gain Bandwidth Product 800MHz   -3db Bandwidth   - Current - Input Bias 12 $\mu$ A   Voltage - Input Offset 170 $\mu$ V   Current - Supply 12mA   Current - Output / Channel 132mA   Voltage - Supply, Single/Dual ( $\pm$ ) 3 V $\sim$ 5 V, $\pm$ 1.5 V $\sim$ 2.5 V   Operating Temperature   -40°C $\sim$ 85°C   Mounting Type Surface Mount   Package / Case 8-SOIC (0.154", 3.90mm Width)   Supplier Device Package		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier Type Voltage Feedback Number of Circuits 1   Output Type Rail-to-Rail   Slew Rate 260 V/ $\mu$ s   Gain Bandwidth Product 800MHz   -3db Bandwidth	Package	8-SOIC (0.154", 3.90mm Width)
Number of Circuits 1 Output Type Rail-to-Rail Slew Rate 260 V/ $\mu$ s Gain Bandwidth Product 800MHz -3db Bandwidth - Current - Input Bias 12 $\mu$ A Voltage - Input Offset 170 $\mu$ V Current - Supply 12mA Current - Output / Channel 132mA Voltage - Supply, Single/Dual (±) 3 V ~ 5 V, ±1.5 V ~ 2.5 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Series	-
Output Type  Rail-to-Rail  Slew Rate  260 V/µs  Gain Bandwidth Product  800MHz  -3db Bandwidth  -  Current - Input Bias  12µA  Voltage - Input Offset  170µV  Current - Supply  12mA  Current - Output / Channel  132mA  Voltage - Supply, Single/Dual (±)  3 V ~ 5 V, ±1.5 V ~ 2.5 V  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Amplifier Type	Voltage Feedback
Slew Rate 260 V/ $\mu$ s 800MHz 800MHz -3db Bandwidth Product 812 $\mu$ A Voltage - Input Offset 170 $\mu$ V Current - Supply 12mA Current - Output / Channel 132mA Voltage - Supply, Single/Dual ( $\pm$ ) 3 V ~ 5 V, $\pm$ 1.5 V ~ 2.5 V Operating Temperature 40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Number of Circuits	1
Gain Bandwidth Product -3db Bandwidth - Current - Input Bias 12μA Voltage - Input Offset 170μV Current - Supply 12mA Current - Output / Channel 132mA Voltage - Supply, Single/Dual (±) 3 V ~ 5 V, ±1.5 V ~ 2.5 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Output Type	Rail-to-Rail
$-3db \ Bandwidth \\ -Current - Input \ Bias \\ 12\mu A \\ Voltage - Input \ Offset \\ 170\mu V \\ Current - Supply \\ 12mA \\ Current - Output / Channel \\ 132mA \\ Voltage - Supply, Single/Dual (\pm) 3 \ V \sim 5 \ V, \pm 1.5 \ V \sim 2.5 \ V \\ Operating \ Temperature \\ -40^{\circ}C \sim 85^{\circ}C \\ Mounting \ Type \\ Surface \ Mount \\ Package / Case \\ 8-SOIC (0.154", 3.90mm \ Width) \\ Supplier \ Device \ Package \\ 8-SOIC$	Slew Rate	260 V/μs
Current - Input Bias $12\mu A$ Voltage - Input Offset $170\mu V$ Current - Supply $12mA$ Current - Output / Channel $132mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $3 \ V \sim 5 \ V, \pm 1.5 \ V \sim 2.5 \ V$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ Mounting Type $Surface \ Mount$ Package / Case $8-SOIC \ (0.154'', 3.90mm \ Width)$ Supplier Device Package $8-SOIC$	Gain Bandwidth Product	800MHz
Voltage - Input Offset $170\mu V$ Current - Supply $12mA$ Current - Output / Channel $132mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $3 \ V \sim 5 \ V, \pm 1.5 \ V \sim 2.5 \ V$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ Mounting Type $Surface \ Mount$ Package / Case $8-SOIC \ (0.154^{\circ}, 3.90mm \ Width)$ Supplier Device Package $8-SOIC$	-3db Bandwidth	-
Current - Supply 12mA  Current - Output / Channel 132mA  Voltage - Supply, Single/Dual (±) 3 V ~ 5 V, ±1.5 V ~ 2.5 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC	Current - Input Bias	12μΑ
Current - Output / Channel 132mA  Voltage - Supply, Single/Dual ( $\pm$ ) 3 V ~ 5 V, $\pm$ 1.5 V ~ 2.5 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC	Voltage - Input Offset	170μV
Voltage - Supply, Single/Dual ( $\pm$ ) 3 V ~ 5 V, $\pm$ 1.5 V ~ 2.5 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Current - Supply	12mA
Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC	Current - Output / Channel	132mA
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Voltage - Supply, Single/Dual (±)	$3 \text{ V} \sim 5 \text{ V}, \pm 1.5 \text{ V} \sim 2.5 \text{ V}$
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Operating Temperature	-40°C ~ 85°C
Supplier Device Package 8-SOIC	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SOIC
		Report errors?

### **ISL55191IBZ 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.

### **ISL55191IBZ Payment Methods**



















### **ISL55191IBZ Shipping Methods**













If you have any question about ISL55191IBZ, please do not hesitate to contact us!

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