



#### **EL5111IYE Information**

www.haist.av.com

For Reference Only

Part Number EL5111IYE

ManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP VFB 32MHZ RRO 8HMSOP

Package 8-VSSOP, 8-MSOP (0.118", 3.00mm Width)

Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

# **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.









# **EL5111IYE Specifications**

Manufacturer         Renesas Electronics America           Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad           Series         -           Amplifier Type         Voltage Feedback           Number of Circuits         1           Output Type         Rail-to-Rail           Slew Rate         75 V/μs           Gain Bandwidth Product         32MHz           -3db Bandwidth         60MHz           Current - Input Bias         2nA           Voltage - Input Offset         3mV           Current - Supply         2.5mA           Current - Output / Channel         65mA           Voltage - Supply, Single/Dual (±)         4.5 V ~ 16.5 V, ±2.25 V ~ 8.25 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad	*	
Integrated Circuits (ICs)	Manufacturer Part Number	EL5111IYE
Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps 8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Series  - Amplifier Type Voltage Feedback Number of Circuits 1 Output Type Rail-to-Rail Slew Rate 75 V/µs Gain Bandwidth Product 32MHz -3db Bandwidth 60MHz Current - Input Bias 2nA Voltage - Input Offset 3mV Current - Supply 2.5mA Current - Output / Channel 65mA Voltage - Supply, Single/Dual (±) 4.5 V ~ 16.5 V, ±2.25 V ~ 8.25 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 8-HMSOP	Manufacturer	Renesas Electronics America
Package         8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad           Series         -           Amplifier Type         Voltage Feedback           Number of Circuits         1           Output Type         Rail-to-Rail           Slew Rate         75 V/µs           Gain Bandwidth Product         32MHz           -3db Bandwidth         60MHz           Current - Input Bias         2nA           Voltage - Input Offset         3mV           Current - Supply         2.5mA           Current - Output / Channel         65mA           Voltage - Supply, Single/Dual (±)         4.5 V ~ 16.5 V, ±2.25 V ~ 8.25 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad           Supplier Device Package         8-HMSOP	Category	Integrated Circuits (ICs)
Series   -		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier TypeVoltage FeedbackNumber of Circuits1Output TypeRail-to-RailSlew Rate75 V/μsGain Bandwidth Product32MHz-3db Bandwidth60MHzCurrent - Input Bias2nAVoltage - Input Offset3mVCurrent - Supply2.5mACurrent - Output / Channel65mAVoltage - Supply, Single/Dual (±)4.5 V ~ 16.5 V, ±2.25 V ~ 8.25 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-HMSOP	Package	8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad
Number of Circuits  Output Type  Rail-to-Rail  Slew Rate  75 V/µs  Gain Bandwidth Product -3db Bandwidth  60MHz  Current - Input Bias  Voltage - Input Offset  Current - Supply  2.5mA  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  Operating Temperature  4.5 V ~ 16.5 V, ±2.25 V ~ 8.25 V  Operating Type  Mounting Type  Surface Mount  Package / Case  8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad  Supplier Device Package	Series	-
Output Type  Rail-to-Rail  Slew Rate  75 V/µs  Gain Bandwidth Product  -3db Bandwidth  60MHz  Current - Input Bias  2nA  Voltage - Input Offset  3mV  Current - Supply  2.5mA  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  Operating Temperature  4.5 V ~ 16.5 V, ±2.25 V ~ 8.25 V  Operating Type  Surface Mount  Package / Case  8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad  Supplier Device Package	Amplifier Type	Voltage Feedback
Slew Rate  Gain Bandwidth Product  -3db Bandwidth  60MHz  Current - Input Bias  2nA  Voltage - Input Offset  3mV  Current - Supply  2.5mA  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  4.5 V ~ 16.5 V, ±2.25 V ~ 8.25 V  Operating Temperature  4.0°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  8-WSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad  8-HMSOP	Number of Circuits	1
Gain Bandwidth Product  -3db Bandwidth  60MHz  Current - Input Bias  2nA  Voltage - Input Offset  3mV  Current - Supply  2.5mA  Current - Output / Channel  65mA  Voltage - Supply, Single/Dual (±)  4.5 V ~ 16.5 V, ±2.25 V ~ 8.25 V  Operating Temperature  4.5 V ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad  Supplier Device Package  8-HMSOP	Output Type	Rail-to-Rail
-3db Bandwidth 60MHz  Current - Input Bias 2nA  Voltage - Input Offset 3mV  Current - Supply 2.5mA  Current - Output / Channel 65mA  Voltage - Supply, Single/Dual (±) 4.5 V ~ 16.5 V, ±2.25 V ~ 8.25 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad  Supplier Device Package 8-HMSOP	Slew Rate	75 V/μs
Current - Input Bias  2nA  Voltage - Input Offset  3mV  Current - Supply  2.5mA  Current - Output / Channel  65mA  Voltage - Supply, Single/Dual (±)  4.5 V ~ 16.5 V, ±2.25 V ~ 8.25 V  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad  Supplier Device Package  8-HMSOP	Gain Bandwidth Product	32MHz
Voltage - Input Offset  Current - Supply  2.5mA  Current - Output / Channel  65mA  Voltage - Supply, Single/Dual (±)  4.5 V ~ 16.5 V, ±2.25 V ~ 8.25 V  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad  Supplier Device Package  8-HMSOP	-3db Bandwidth	60MHz
Current - Supply Current - Output / Channel 65mA  Voltage - Supply, Single/Dual (±) 4.5 V ~ 16.5 V, ±2.25 V ~ 8.25 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount Package / Case 8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad  Supplier Device Package 8-HMSOP	Current - Input Bias	2nA
Current - Output / Channel  65mA  Voltage - Supply, Single/Dual (±)  4.5 V ~ 16.5 V, ±2.25 V ~ 8.25 V  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad  Supplier Device Package  8-HMSOP	Voltage - Input Offset	3mV
Voltage - Supply, Single/Dual (±)  4.5 V ~ 16.5 V, ±2.25 V ~ 8.25 V  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad  Supplier Device Package  8-HMSOP	Current - Supply	2.5mA
Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad  Supplier Device Package  8-HMSOP	Current - Output / Channel	65mA
Mounting Type Surface Mount Package / Case 8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 8-HMSOP	Voltage - Supply, Single/Dual (±)	4.5 V ~ 16.5 V, ±2.25 V ~ 8.25 V
Package / Case 8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 8-HMSOP	Operating Temperature	-40°C ~ 85°C
Supplier Device Package 8-HMSOP	Mounting Type	Surface Mount
	Package / Case	8-VSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad
Report errors?	Supplier Device Package	8-HMSOP
		Report errors?

### **EL5111IYE 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.

### **EL5111IYE Payment Methods**





















### **EL5111IYE Shipping Methods**













If you have any question about EL5111IYE, please do not hesitate to contact us!

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