

### **HA9P5002-9 Information**



For Reference Only

Part Number HA9P5002-9

ManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP BUFFER 110MHZ 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.









### **HA9P5002-9 Specifications**

Manufacturer Part Number         HA9P5002-9           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         Buffer           Number of Circuits         1           Output Type         -           Slew Rate         1300 V/μs           Gain Bandwidth Product         -           -3db Bandwidth         110MHz           Current - Input Bias         2μA           Voltage - Input Offset         5mV           Current - Supply         8.3mA           Current - Output / Channel         220mA           Voltage - Supply, Single/Dual (±)         10 V ~ 40 V, ±5 V ~ 20 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         Report errors?		
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Output Type  Slew Rate  1300 V/μs  Gain Bandwidth Product  -3db Bandwidth  110MHz  Current - Input Bias  2μA  Voltage - Input Offset  5mV  Current - Supply  8.3mA  Current - Output / Channel  220mA  Voltage - Supply, Single/Dual (±)  10 V ~ 40 V, ±5 V ~ 20 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	Buffer
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Gain Bandwidth Product -3db Bandwidth 110MHz  Current - Input Bias 2μA  Voltage - Input Offset 5mV  Current - Supply 8.3mA  Current - Output / Channel 220mA  Voltage - Supply, Single/Dual (±) 10 V ~ 40 V, ±5 V ~ 20 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	-
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Slew Rate	1300 V/μs
Current - Input Bias $2\mu A$ Voltage - Input Offset $5mV$ Current - Supply $8.3mA$ Current - Output / Channel $220mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $10 \ V \sim 40 \ V$ , $\pm 5 \ V \sim 20 \ V$ 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	-
Voltage - Input Offset $5mV$ Current - Supply $8.3mA$ Current - Output / Channel $220mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $10 \ V \sim 40 \ V, \pm 5 \ V \sim 20 \ V$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case $8\text{-SOIC}$ $(0.154^{\circ}, 3.90mm \ \text{Width})$ Supplier Device Package $8\text{-SOIC}$	-3db Bandwidth	110MHz
Current - Supply 8.3mA  Current - Output / Channel 220mA  Voltage - Supply, Single/Dual (±) 10 V ~ 40 V, ±5 V ~ 20 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	2μΑ
Current - Output / Channel 220mA  Voltage - Supply, Single/Dual ( $\pm$ ) 10 V ~ 40 V, $\pm$ 5 V ~ 20 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	5mV
Voltage - Supply, Single/Dual ( $\pm$ ) 10 V ~ 40 V, $\pm$ 5 V ~ 20 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	8.3mA
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	220mA
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Voltage - Supply, Single/Dual (±)	$10 \text{ V} \sim 40 \text{ V}, \pm 5 \text{ V} \sim 20 \text{ V}$
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
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#### HA9P5002-9 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.

# **HA9P5002-9 Payment Methods**



















# **HA9P5002-9 Shipping Methods**













If you have any question about HA9P5002-9, please do not hesitate to contact us!

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