



### MCP6234-E/ST Information

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For Reference Only

Part Number MCP6234-E/ST

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP GP 300KHZ RRO 14TSSOP **Package** 14-TSSOP (0.173", 4.40mm 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.









# MCP6234-E/ST Specifications

| Manufacturer Part Number         MCP6234-E/ST           Manufacturer         Microchip Technology           Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         14-TSSOP (0.173", 4.40mm Width)           Series         -           Amplifier Type         General Purpose           Number of Circuits         4           Output Type         Rail-to-Rail           Slew Rate         0.15 V/μs           Gain Bandwidth Product         300kHz           -3db Bandwidth         -           Current - Input Bias         1pA           Voltage - Input Offset         5mV           Current - Supply         20μA           Current - Output / Channel         23mA           Voltage - Supply, Single/Dual (±)         1.8 V ~ 6 V           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         14-TSSOP (0.173", 4.40mm Width)           Supplier Device Package         14-TSSOP |                                   |   |
|---|-----------------------------------|---|
| Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         14-TSSOP (0.173", 4.40mm Width)           Series         -           Amplifier Type         General Purpose           Number of Circuits         4           Output Type         Rail-to-Rail           Slew Rate         0.15 V/μs           Gain Bandwidth Product         300kHz           -3db Bandwidth         -           Current - Input Bias         1pA           Voltage - Input Offset         5mV           Current - Supply         20μA           Current - Output / Channel         23mA           Voltage - Supply, Single/Dual (±)         1.8 V ~ 6 V           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         14-TSSOP (0.173", 4.40mm Width)           Supplier Device Package         14-TSSOP   | Manufacturer Part Number          | MCP6234-E/ST  |
| Linear - Amplifiers - Instrumentation, OP Amps, Buffer AmpsPackage14-TSSOP (0.173", 4.40mm Width)Series-Amplifier TypeGeneral PurposeNumber of Circuits4Output TypeRail-to-RailSlew Rate0.15 V/μsGain Bandwidth Product300kHz-3db Bandwidth-Current - Input Bias1pAVoltage - Input Offset5mVCurrent - Supply20μACurrent - Output / Channel23mAVoltage - Supply, Single/Dual (±)1.8 V ~ 6 VOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP  | Manufacturer                      | Microchip Technology  |
| Package         14-TSSOP (0.173", 4.40mm Width)           Series         -           Amplifier Type         General Purpose           Number of Circuits         4           Output Type         Rail-to-Rail           Slew Rate         0.15 V/μs           Gain Bandwidth Product         300kHz           -3db Bandwidth         -           Current - Input Bias         1pA           Voltage - Input Offset         5mV           Current - Supply         20μA           Current - Output / Channel         23mA           Voltage - Supply, Single/Dual (±)         1.8 V ~ 6 V           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         14-TSSOP (0.173", 4.40mm Width)           Supplier Device Package         14-TSSOP  | Category                          | Integrated Circuits (ICs)                                   |
| Series-Amplifier TypeGeneral PurposeNumber of Circuits4Output TypeRail-to-RailSlew Rate0.15 V/μsGain Bandwidth Product300kHz-3db Bandwidth-Current - Input Bias1pAVoltage - Input Offset5mVCurrent - Supply20μACurrent - Output / Channel23mAVoltage - Supply, Single/Dual (±)1.8 V ~ 6 VOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP   |                                   | Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps |
| Amplifier Type  Number of Circuits  4  Output Type  Rail-to-Rail  Slew Rate  0.15 V/µs  Gain Bandwidth Product  -3db Bandwidth  -  Current - Input Bias  IpA  Voltage - Input Offset  5mV  Current - Output / Channel  23mA  Voltage - Supply, Single/Dual (±)  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  14-TSSOP (0.173", 4.40mm Width)  Supplier Device Package  | Package                           | 14-TSSOP (0.173", 4.40mm Width)                             |
| Number of Circuits 4 Output Type Rail-to-Rail Slew Rate 0.15 V/µs Gain Bandwidth Product 300kHz -3db Bandwidth - Current - Input Bias 1pA Voltage - Input Offset 5mV Current - Supply 20 $\mu$ A Current - Output / Channel 23mA Voltage - Supply, Single/Dual ( $\pm$ ) 1.8 V ~ 6 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 14-TSSOP (0.173", 4.40mm Width) Supplier Device Package 14-TSSOP  | Series                            | -   |
| Output Type Rail-to-Rail  Slew Rate 0.15 $V/\mu s$ Gain Bandwidth Product 300kHz  -3db Bandwidth -  Current - Input Bias 1pA  Voltage - Input Offset 5mV  Current - Supply 20 $\mu$ A  Current - Output / Channel 23mA  Voltage - Supply, Single/Dual ( $\pm$ ) 1.8 $V \sim 6$ $V$ Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 14-TSSOP (0.173", 4.40mm Width)  Supplier Device Package 14-TSSOP   | Amplifier Type                    | General Purpose   |
| Slew Rate  Gain Bandwidth Product  -3db Bandwidth  - Current - Input Bias  Voltage - Input Offset  Current - Supply  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  Operating Temperature  Mounting Type  Surface Mount  Package / Case  14-TSSOP  One Analogo And  | Number of Circuits                | 4   |
| $ \begin{array}{llllllllllllllllllllllllllllllllllll$   | Output Type                       | Rail-to-Rail  |
| -3db Bandwidth - Current - Input Bias 1pA  Voltage - Input Offset 5mV  Current - Supply 20μA  Current - Output / Channel 23mA  Voltage - Supply, Single/Dual (±) 1.8 V ~ 6 V  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 14-TSSOP  14-TSSOP   | Slew Rate                         | 0.15 V/μs   |
| Current - Input Bias 1pA  Voltage - Input Offset 5mV  Current - Supply 20 $\mu$ A  Current - Output / Channel 23mA  Voltage - Supply, Single/Dual ( $\pm$ ) 1.8 V ~ 6 V  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 14-TSSOP (0.173", 4.40mm Width)  Supplier Device Package 14-TSSOP   | Gain Bandwidth Product            | 300kHz  |
| Voltage - Input Offset $5mV$ Current - Supply $20\mu A$ Current - Output / Channel $23mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $1.8 \ V \sim 6 \ V$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Mounting Type Surface Mount  Package / Case $14\text{-TSSOP}$ $(0.173^{\circ}, 4.40mm \ Width)$ Supplier Device Package $14\text{-TSSOP}$   | -3db Bandwidth                    | -   |
| Current - Supply $20\mu A$ Current - Output / Channel $23mA$ Voltage - Supply, Single/Dual (±) $1.8 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case $14\text{-TSSOP}$ $(0.173^{\circ}, 4.40mm \text{ Width})$ Supplier Device Package $14\text{-TSSOP}$  | Current - Input Bias              | 1pA   |
| Current - Output / Channel $23mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $1.8 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $14\text{-TSSOP}$ ( $0.173^{\circ}$ , $4.40\text{mm}$ Width)Supplier Device Package $14\text{-TSSOP}$  | Voltage - Input Offset            | 5mV   |
| Voltage - Supply, Single/Dual ( $\pm$ ) 1.8 V ~ 6 V  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 14-TSSOP (0.173", 4.40mm Width)  Supplier Device Package 14-TSSOP   | Current - Supply                  | 20μΑ  |
| Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  14-TSSOP (0.173", 4.40mm Width)  Supplier Device Package  14-TSSOP  | Current - Output / Channel        | 23mA  |
| Mounting Type Surface Mount Package / Case 14-TSSOP (0.173", 4.40mm Width) Supplier Device Package 14-TSSOP   | Voltage - Supply, Single/Dual (±) | 1.8 V ~ 6 V   |
| Package / Case 14-TSSOP (0.173", 4.40mm Width) Supplier Device Package 14-TSSOP   | Operating Temperature             | -40°C ~ 125°C   |
| Supplier Device Package 14-TSSOP  | Mounting Type                     | Surface Mount   |
|   | Package / Case                    | 14-TSSOP (0.173", 4.40mm Width)                             |
| Report errors?  | Supplier Device Package           | 14-TSSOP  |
|   |                                   | Report errors?  |

### MCP6234-E/ST 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.

# MCP6234-E/ST Payment Methods



















# MCP6234-E/ST Shipping Methods













If you have any question about MCP6234-E/ST, please do not hesitate to contact us!

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