



### **LM324MTX Information**



For Reference Only

Part Number LM324MTX

Manufacturer Rohm Semiconductor

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP GP 1MHZ 14TSSOP **Package** 14-TSSOP (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

us

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# **LM324MTX Specifications**

Manufacturer Part NumberLM324MTXManufacturerRohm SemiconductorCategoryIntegrated Circuits (ICs)Linear - Amplifiers - Instrumentation, OP Amps, Buffer AmpsPackage14-TSSOP (0.173", 4.40mm Width)Series-Amplifier TypeGeneral PurposeNumber of Circuits4Output Type-Slew Rate0.5 V/μsGain Bandwidth Product1MHz-3db Bandwidth-Current - Input Bias45nAVoltage - Input Offset2mVCurrent - Supply1.5mACurrent - Output / Channel40mAVoltage - Supply, Single/Dual (±)3 V ~ 32 V, ±1.5 V ~ 16 VOperating Temperature0°C ~ 70°CMounting TypeSurface Mount	•	
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Package 14-TSSOP (0.173", 4.40mm Width)  Series - Amplifier Type General Purpose  Number of Circuits 4  Output Type - Slew Rate 0.5 V/µs  Gain Bandwidth Product 1MHz -3db Bandwidth - Current - Input Bias 45nA  Voltage - Input Offset 2mV  Current - Supply 1.5mA  Current - Output / Channel 40mA  Voltage - Supply, Single/Dual (±) 3 V ~ 32 V, ±1.5 V ~ 16 V  Operating Temperature 0°C ~ 70°C	Category	Integrated Circuits (ICs)
Series       -         Amplifier Type       General Purpose         Number of Circuits       4         Output Type       -         Slew Rate       0.5 V/μs         Gain Bandwidth Product       1MHz         -3db Bandwidth       -         Current - Input Bias       45nA         Voltage - Input Offset       2mV         Current - Supply       1.5mA         Current - Output / Channel       40mA         Voltage - Supply, Single/Dual (±)       3 V ~ 32 V, ±1.5 V ~ 16 V         Operating Temperature       0°C ~ 70°C		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier Type General Purpose Number of Circuits 4  Output Type - Slew Rate 0.5 V/ $\mu$ s  Gain Bandwidth Product 1MHz  -3db Bandwidth - Current - Input Bias 45nA  Voltage - Input Offset 2mV  Current - Supply 1.5mA  Current - Output / Channel 40mA  Voltage - Supply, Single/Dual ( $\pm$ ) 3 V ~ 32 V, $\pm$ 1.5 V ~ 16 V  Operating Temperature 0°C ~ 70°C	Package	14-TSSOP (0.173", 4.40mm Width)
Number of Circuits 4 Output Type - Slew Rate 0.5 V/ $\mu$ s Gain Bandwidth Product 1MHz -3db Bandwidth - Current - Input Bias 45nA Voltage - Input Offset 2mV Current - Supply 1.5mA Current - Output / Channel 40mA Voltage - Supply, Single/Dual ( $\pm$ ) 3 V ~ 32 V, $\pm$ 1.5 V ~ 16 V Operating Temperature 0°C ~ 70°C	Series	-
Output Type - Slew Rate 0.5 V/ $\mu$ s Gain Bandwidth Product 1MHz -3db Bandwidth - Current - Input Bias 45nA Voltage - Input Offset 2mV Current - Supply 1.5mA Current - Output / Channel 40mA Voltage - Supply, Single/Dual ( $\pm$ ) 3 V ~ 32 V, $\pm$ 1.5 V ~ 16 V Operating Temperature 0°C ~ 70°C	Amplifier Type	General Purpose
Slew Rate $0.5 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $1\text{MHz}$ -3db Bandwidth -  Current - Input Bias $45\text{nA}$ Voltage - Input Offset $2\text{mV}$ Current - Supply $1.5\text{mA}$ Current - Output / Channel $40\text{mA}$ Voltage - Supply, Single/Dual (±) $3 \text{ V} \sim 32 \text{ V}, \pm 1.5 \text{ V} \sim 16 \text{ V}$ Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$	Number of Circuits	4
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Output Type	-
-3db Bandwidth - Current - Input Bias $45nA$ Voltage - Input Offset $2mV$ Current - Supply $1.5mA$ Current - Output / Channel $40mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $3 \ V \sim 32 \ V, \pm 1.5 \ V \sim 16 \ V$ Operating Temperature $0^{\circ}C \sim 70^{\circ}C$	Slew Rate	0.5 V/μs
Current - Input Bias $45nA$ Voltage - Input Offset $2mV$ Current - Supply $1.5mA$ Current - Output / Channel $40mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $3 V \sim 32 V, \pm 1.5 V \sim 16 V$ Operating Temperature $0^{\circ}C \sim 70^{\circ}C$	Gain Bandwidth Product	1MHz
Voltage - Input Offset $2mV$ Current - Supply $1.5mA$ Current - Output / Channel $40mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $3 V \sim 32 V, \pm 1.5 V \sim 16 V$ Operating Temperature $0^{\circ}C \sim 70^{\circ}C$	-3db Bandwidth	-
Current - Supply 1.5mA  Current - Output / Channel 40mA  Voltage - Supply, Single/Dual ( $\pm$ ) 3 V ~ 32 V, $\pm$ 1.5 V ~ 16 V  Operating Temperature 0°C ~ 70°C	Current - Input Bias	45nA
Current - Output / Channel $40 \text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $3 \text{ V} \sim 32 \text{ V}, \pm 1.5 \text{ V} \sim 16 \text{ V}$ Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$	Voltage - Input Offset	2mV
Voltage - Supply, Single/Dual ( $\pm$ ) 3 V ~ 32 V, $\pm$ 1.5 V ~ 16 V Operating Temperature 0°C ~ 70°C	Current - Supply	1.5mA
Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$	Current - Output / Channel	40mA
	Voltage - Supply, Single/Dual (±)	3 V ~ 32 V, ±1.5 V ~ 16 V
Mounting Type Surface Mount	Operating Temperature	0°C ~ 70°C
	Mounting Type	Surface Mount
Package / Case 14-TSSOP (0.173", 4.40mm Width)	Package / Case	14-TSSOP (0.173", 4.40mm Width)
Supplier Device Package 14-TSSOP	Supplier Device Package	14-TSSOP
Report errors		Report errors?

### **LM324MTX Guarantees**



### **Quality Guarantees**

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### **LM324MTX Shipping Methods**













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