



TS971IYDT Information

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For Reference Only

Part Number TS971IYDT

Manufacturer STMicroelectronics

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

Buffer Amps

Description IC OPAMP GP 12MHZ RRO 8SO **Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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TS971IYDT Specifications

Manufacturer Part Number TS971IYDT Manufacturer STMicroelectronics Category Integrated Circuits (ICs) Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps Package 8-SOIC (0.154", 3.90mm Width) Series Automotive, AEC-Q100 Amplifier Type General Purpose Number of Circuits 1 Output Type Rail-to-Rail Slew Rate 4 V/µs Gain Bandwidth Product 12MHz -3db Bandwidth - Current - Input Bias 200nA Voltage - Input Offset ImV Current - Supply 2mA Current - Output / Channel 100mA Voltage - Supply, Single/Dual (±) 2.7 V ~ 10 V, ±1.35 V ~ 5 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOI		
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SeriesAutomotive, AEC-Q100Amplifier TypeGeneral PurposeNumber of Circuits1Output TypeRail-to-RailSlew Rate4 V/μsGain Bandwidth Product12MHz-3db Bandwidth-Current - Input Bias200nAVoltage - Input Offset1mVCurrent - Supply2mACurrent - Output / Channel100mAVoltage - Supply, Single/Dual (±)2.7 V ~ 10 V, ±1.35 V ~ 5 VOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier Type General Purpose Number of Circuits 1 Output Type Rail-to-Rail Slew Rate 4 $V/\mu s$ Gain Bandwidth Product 12MHz -3db Bandwidth - Current - Input Bias 200nA Voltage - Input Offset 1mV Current - Supply 2mA Current - Output / Channel 100mA Voltage - Supply, Single/Dual (\pm) 2.7 V ~ 10 V, \pm 1.35 V ~ 5 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO	Package	8-SOIC (0.154", 3.90mm Width)
Number of Circuits 1 Output Type Rail-to-Rail Slew Rate 4 $V/\mu s$ Gain Bandwidth Product 12MHz -3db Bandwidth - Current - Input Bias 200nA Voltage - Input Offset 1mV Current - Supply 2mA Current - Output / Channel 100mA Voltage - Supply, Single/Dual (\pm) 2.7 V ~ 10 V, \pm 1.35 V ~ 5 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO	Series	Automotive, AEC-Q100
Output Type Rail-to-Rail Slew Rate $4 \text{ V/}\mu\text{s}$ Gain Bandwidth Product 12MHz -3db Bandwidth - Current - Input Bias 200nA Voltage - Input Offset 1mV Current - Supply 2mA Current - Output / Channel 100mA Voltage - Supply, Single/Dual (\pm) $2.7 \text{ V} \sim 10 \text{ V}, \pm 1.35 \text{ V} \sim 5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO	Amplifier Type	General Purpose
Slew Rate Gain Bandwidth Product -3db Bandwidth - Current - Input Bias Voltage - Input Offset 1mV Current - Supply 2mA Current - Output / Channel Voltage - Supply, Single/Dual (±) 2.7 V ~ 10 V, ±1.35 V ~ 5 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO	Number of Circuits	1
Gain Bandwidth Product -3db Bandwidth - Current - Input Bias 200nA Voltage - Input Offset ImV Current - Supply 2mA Current - Output / Channel Voltage - Supply, Single/Dual (±) Operating Temperature 40°C ~ 125°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 200nA Voltage - Input Offset 1mV Current - Supply 2mA Current - Output / Channel 100mA Voltage - Supply, Single/Dual (±) 2.7 V ~ 10 V, ±1.35 V ~ 5 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO	Slew Rate	4 V/μs
Current - Input Bias Voltage - Input Offset ImV Current - Supply 2mA Current - Output / Channel 100mA Voltage - Supply, Single/Dual (±) 2.7 V ~ 10 V, ±1.35 V ~ 5 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Gain Bandwidth Product	12MHz
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	-3db Bandwidth	-
Current - Supply 2mA Current - Output / Channel 100mA Voltage - Supply, Single/Dual (±) 2.7 V ~ 10 V, ±1.35 V ~ 5 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO	Current - Input Bias	200nA
Current - Output / Channel 100mA Voltage - Supply, Single/Dual (\pm) 2.7 V ~ 10 V, \pm 1.35 V ~ 5 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO	Voltage - Input Offset	1mV
Voltage - Supply, Single/Dual (\pm) 2.7 V ~ 10 V, \pm 1.35 V ~ 5 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO	Current - Supply	2mA
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO	Current - Output / Channel	100mA
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO	Voltage - Supply, Single/Dual (±)	2.7 V ~ 10 V, ±1.35 V ~ 5 V
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO	Operating Temperature	-40°C ~ 125°C
Supplier Device Package 8-SO	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Donord control	Supplier Device Package	8-SO
Report errors		Report errors?

TS971IYDT 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.

TS971IYDT Payment Methods



















TS971IYDT Shipping Methods













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