



### **TS271AIN Information**

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For Reference Only

Part Number TS271AIN

Manufacturer STMicroelectronics

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP GP 100KHZ 8DIP **Package** 8-DIP (0.300", 7.62mm)

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**

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# **TS271AIN Specifications**

Manufacturer Part Number         TS271AIN           Manufacturer         STMicroelectronics           Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         8-DIP (0.300", 7.62mm)           Series         -           Amplifier Type         General Purpose           Number of Circuits         1           Output Type         -           Slew Rate         0.04 V/µs           Gain Bandwidth Product         100kHz           -3db Bandwidth         -           Current - Input Bias         1pA           Voltage - Input Offset         900µV           Current - Supply         10µA           Current - Output / Channel         45mA           Voltage - Supply, Single/Dual (±)         3 V ~ 16 V, ±1.5 V ~ 8 V           Operating Temperature         -40°C ~ 125°C           Mounting Type         Through Hole           Package / Case         8-DIP (0.300", 7.62mm)           Supplier Device Package         8-DIP		
Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         8-DIP (0.300", 7.62mm)           Series         -           Amplifier Type         General Purpose           Number of Circuits         1           Output Type         -           Slew Rate         0.04 V/μs           Gain Bandwidth Product         100kHz           -3db Bandwidth         -           Current - Input Bias         1pA           Voltage - Input Offset         900μV           Current - Supply         10μA           Current - Output / Channel         45mA           Voltage - Supply, Single/Dual (±)         3 V ~ 16 V, ±1.5 V ~ 8 V           Operating Temperature         -40°C ~ 125°C           Mounting Type         Through Hole           Package / Case         8-DIP (0.300", 7.62mm)           Supplier Device Package         8-DIP	Manufacturer Part Number	TS271AIN
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Series         -           Amplifier Type         General Purpose           Number of Circuits         1           Output Type         -           Slew Rate         0.04 V/μs           Gain Bandwidth Product         100kHz           -3db Bandwidth         -           Current - Input Bias         1pA           Voltage - Input Offset         900μV           Current - Supply         10μA           Current - Output / Channel         45mA           Voltage - Supply, Single/Dual (±)         3 V ~ 16 V, ±1.5 V ~ 8 V           Operating Temperature         -40°C ~ 125°C           Mounting Type         Through Hole           Package / Case         8-DIP (0.300", 7.62mm)           Supplier Device Package         8-DIP		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier TypeGeneral PurposeNumber of Circuits1Output Type-Slew Rate0.04 V/μsGain Bandwidth Product100kHz-3db Bandwidth-Current - Input Bias1pAVoltage - Input Offset900μVCurrent - Supply10μACurrent - Output / Channel45mAVoltage - Supply, Single/Dual (±)3 V ~ 16 V, ±1.5 V ~ 8 VOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-DIP	Package	8-DIP (0.300", 7.62mm)
Number of Circuits       1         Output Type       -         Slew Rate       0.04 V/μs         Gain Bandwidth Product       100kHz         -3db Bandwidth       -         Current - Input Bias       1pA         Voltage - Input Offset       900μV         Current - Supply       10μA         Current - Output / Channel       45mA         Voltage - Supply, Single/Dual (±)       3 V ~ 16 V, ±1.5 V ~ 8 V         Operating Temperature       -40°C ~ 125°C         Mounting Type       Through Hole         Package / Case       8-DIP (0.300", 7.62mm)         Supplier Device Package       8-DIP	Series	-
Output Type - Slew Rate 0.04 V/ $\mu$ s Gain Bandwidth Product 100kHz - 3db Bandwidth - Current - Input Bias 1pA Voltage - Input Offset 900 $\mu$ V Current - Supply 10 $\mu$ A Current - Output / Channel 45mA Voltage - Supply, Single/Dual ( $\pm$ ) 3 V ~ 16 V, $\pm$ 1.5 V ~ 8 V Operating Temperature -40°C ~ 125°C Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package 8-DIP	Amplifier Type	General Purpose
Slew Rate 0.04 V/ $\mu$ s  Gain Bandwidth Product 100kHz  -3db Bandwidth -  Current - Input Bias 1pA  Voltage - Input Offset 900 $\mu$ V  Current - Supply 10 $\mu$ A  Current - Output / Channel 45mA  Voltage - Supply, Single/Dual ( $\pm$ ) 3 V ~ 16 V, $\pm$ 1.5 V ~ 8 V  Operating Temperature -40°C ~ 125°C  Mounting Type Through Hole  Package / Case 8-DIP (0.300", 7.62mm)  Supplier Device Package 8-DIP	Number of Circuits	1
Gain Bandwidth Product -3db Bandwidth - Current - Input Bias	Output Type	-
$-3db \ Bandwidth \\ -Current - Input \ Bias \\ 1pA \\ Voltage - Input \ Offset \\ 900\mu V \\ Current - Supply \\ 10\mu A \\ Current - Output / Channel \\ 45mA \\ Voltage - Supply, Single/Dual (\pm) 3\ V \sim 16\ V, \pm 1.5\ V \sim 8\ V \\ Operating \ Temperature \\ -40^{\circ}C \sim 125^{\circ}C \\ Mounting \ Type \\ Package / Case \\ 8-DIP (0.300'', 7.62mm) \\ Supplier \ Device \ Package \\ 8-DIP$	Slew Rate	$0.04 \text{ V/}\mu\text{s}$
Current - Input Bias $ 1pA $ Voltage - Input Offset $ 900\mu V $ Current - Supply $ 10\mu A $ Current - Output / Channel $ 45mA $ Voltage - Supply, Single/Dual ( $\pm$ ) $ 3 V \sim 16 V, \pm 1.5 V \sim 8 V $ Operating Temperature $ -40^{\circ}C \sim 125^{\circ}C $ Mounting Type $ Through \ Hole $ Package / Case $ 8-DIP \ (0.300'', 7.62mm) $ Supplier Device Package $ 8-DIP $	Gain Bandwidth Product	100kHz
Voltage - Input Offset	-3db Bandwidth	-
Current - Supply $10\mu A$ Current - Output / Channel $45mA$ Voltage - Supply, Single/Dual (±) $3 V \sim 16 V$ , $\pm 1.5 V \sim 8 V$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Mounting Type Through Hole $-40^{\circ}C \sim 125^{\circ}C $	Current - Input Bias	1pA
Current - Output / Channel $45 \text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $3 \text{ V} \sim 16 \text{ V}, \pm 1.5 \text{ V} \sim 8 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeThrough HolePackage / Case $8\text{-DIP}$ ( $0.300^{\circ}$ , $7.62 \text{mm}$ )Supplier Device Package $8\text{-DIP}$	Voltage - Input Offset	900μV
Voltage - Supply, Single/Dual ( $\pm$ ) 3 V ~ 16 V, $\pm$ 1.5 V ~ 8 V Operating Temperature -40°C ~ 125°C Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package 8-DIP	Current - Supply	10μΑ
$ \begin{array}{lll} \mbox{Operating Temperature} & -40\mbox{°C} \sim 125\mbox{°C} \\ \mbox{Mounting Type} & \mbox{Through Hole} \\ \mbox{Package / Case} & \mbox{8-DIP } (0.300\mbox{", 7.62mm}) \\ \mbox{Supplier Device Package} & \mbox{8-DIP} \\ \end{array} $	Current - Output / Channel	45mA
Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package 8-DIP	Voltage - Supply, Single/Dual (±)	3 V ~ 16 V, ±1.5 V ~ 8 V
Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package 8-DIP	Operating Temperature	-40°C ~ 125°C
Supplier Device Package 8-DIP	Mounting Type	Through Hole
	Package / Case	8-DIP (0.300", 7.62mm)
Report errors?	Supplier Device Package	8-DIP
ı		Report errors?

### **TS271AIN 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.

# **TS271AIN Payment Methods**





















### **TS271AIN Shipping Methods**













If you have any question about TS271AIN, please do not hesitate to contact us!

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