



### **LM6171AIMX Information**



For Reference Only

Part Number LM6171AIMX

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP VFB 100MHZ 8SOIC **Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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## **LM6171AIMX Specifications**

Manufacturer Part Number       LM6171AIMX         Manufacturer       Texas Instruments         Category       Integrated Circuits (ICs)         Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps         Package       8-SOIC (0.154", 3.90mm Width)         Series       VIP? III         Amplifier Type       Voltage Feedback         Number of Circuits       1         Output Type       -         Slew Rate       3600 V/μs         Gain Bandwidth Product       100MHz         -3db Bandwidth       160MHz         Current - Input Bias       1μA         Voltage - Input Offset       1.5mV         Current - Supply       2.5mA         Current - Output / Channel       116mA         Voltage - Supply, Single/Dual (±)       5.5 V ~ 34 V, ±2.75 V ~ 17 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		
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Output Type  Slew Rate  Gain Bandwidth Product  -3db Bandwidth  160MHz  Current - Input Bias  Voltage - Input Offset  Current - Supply  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  Operating Temperature  Mounting Type  Surface Mount  Package / Case  8-SOIC  8-SOIC	Amplifier Type	Voltage Feedback
Slew Rate  Gain Bandwidth Product  -3db Bandwidth  160MHz  Current - Input Bias  Voltage - Input Offset  1.5mV  Current - Supply  2.5mA  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  Operating Temperature  40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-SOIC  8-SOIC	Number of Circuits	1
Gain Bandwidth Product  -3db Bandwidth  160MHz  Current - Input Bias  1μA  Voltage - Input Offset  1.5mV  Current - Supply  2.5mA  Current - Output / Channel  116mA  Voltage - Supply, Single/Dual (±)  5.5 V ~ 34 V, ±2.75 V ~ 17 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	3600 V/μs
Current - Input Bias $1\mu A$ Voltage - Input Offset $1.5mV$ Current - Supply $2.5mA$ Current - Output / Channel $116mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $5.5 \ V \sim 34 \ V, \pm 2.75 \ V \sim 17 \ V$ 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	100MHz
Voltage - Input Offset  Current - Supply  2.5mA  Current - Output / Channel  116mA  Voltage - Supply, Single/Dual (±)  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	-3db Bandwidth	160MHz
Current - Supply 2.5mA  Current - Output / Channel 116mA  Voltage - Supply, Single/Dual (±) 5.5 V ~ 34 V, ±2.75 V ~ 17 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	1μΑ
Current - Output / Channel $116mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $5.5 \text{ V} \sim 34 \text{ V}, \pm 2.75 \text{ V} \sim 17 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8\text{-SOIC}$ ( $0.154^{\circ}$ , $3.90\text{mm}$ Width)Supplier Device Package $8\text{-SOIC}$	Voltage - Input Offset	1.5mV
Voltage - Supply, Single/Dual ( $\pm$ ) 5.5 V ~ 34 V, $\pm$ 2.75 V ~ 17 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	2.5mA
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	116mA
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Voltage - Supply, Single/Dual (±)	5.5 V ~ 34 V, ±2.75 V ~ 17 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
Report criois:		Report errors?

#### **LM6171AIMX 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.

## **LM6171AIMX Payment Methods**

**LM6171AIMX Shipping Methods** 

































If you have any question about LM6171AIMX, please do not hesitate to contact us!

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