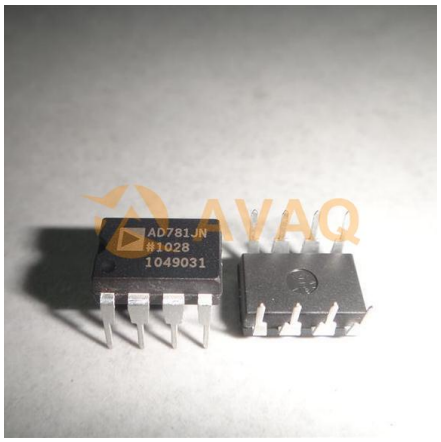
AD781JNZ

Sample and Hold 1-CH 0.7us 8-Pin PDIP N Tube

Manufacturer:	Analog Devices, Inc
Package/Case:	DIP8
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active



Images are for reference only

Inquiry

General Description

The AD781 is a high speed monolithic sample-and-hold amplifier (SHA).The AD781 guarantees a maximum acquisition time for 700 ns to 0.01% over temperature.The AD781 is specified and tested for hold mode total harmonic distortion and hold mode signal-to-noise and distortion.The AD781 is configured as a unity gain amplifier and uses a self-correcting architecture that minimizes hold mode errors and insures accuracy over temperature.The AD781 is self-contained and requires no external components or adjustments.The low power dissipation, 8-pin mini-DIP package and completeness make the AD781 ideal for highly compact board layouts.The AD781 will acquire a full-scale input in less than 700 ns and retain the held value with a droop rate of 0.01 µV/µs.Excellent linearity and hold mode dc and dynamic performance make the AD781 ideal for 12- and 14-bit high speed analog-to-digital converters.The AD781 is manufactured on Analog Devices' BiMOS process which merges high performance, low noise bipolar circuitry with low power CMOS to provide an accurate, high speed, low power SHA.The AD781 is specified for three temperature ranges.The J grade device is specified or operation form 0°C to 70°C , the A grade form -40°Cto +85°Cand the S grade from -55°Cto +125°C .The J and A grades are available in 8-pin plastic DIP packages.The S grade is available in an 8-pin cerdip package.

Key Features

95mW Maximum low power dissipation

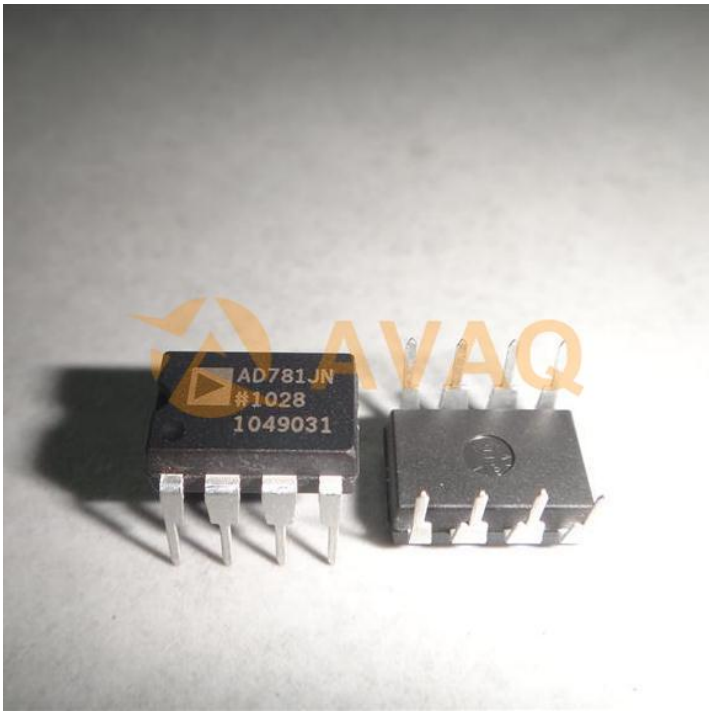
0.01µV/µs Low droop rate

Fully specified and tested hold mode distortion

-80dB Maximum total harmonic distortion

Internal hold capacitor

Self-correcting architecture



Recommended For You

AD8309ARUZ

Analog Devices, Inc

TSSOP16

AD524BDZ

Analog Devices, Inc

CDIP-16

AD8221BR

Analog Devices, Inc

SOP-8

AD8221ARZ

Analog Devices, Inc

SOP8

AD627BRZ

Analog Devices, Inc

SOP8

AD622ANZ

Analog Devices, Inc

DIP8

ADA4930-2YCPZ-R7

Analog Devices, Inc

LFCSP24

AD8034ARZ

Analog Devices, Inc

SOP8

AD8561ARZ

Analog Devices, Inc

SOP8

AD633JRZ

Analog Devices, Inc

SOP8

AD632AH

Analog Devices, Inc

CAN10

AD8422BRZ

Analog Devices, Inc

SOP8

ADCMP600BKSZ-R2

Analog Devices, Inc

SC70-5

AD620BN

Analog Devices, Inc

DIP8

AD620BR

Analog Devices, Inc

SOP