
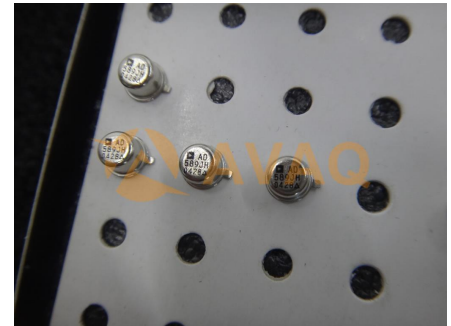


V-Ref Precision 1.235V 5mA 2-Pin TO-51 Tube

Manufacturer:	Analog Devices, Inc
Package/Case:	CAN
Product Type:	Power Management ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	NRND



Images are for reference only

[Inquiry](#)

General Description

The high stability of the AD589 is primarily dependent upon the matching and thermal tracking of the on-chip components. Analog Devices' precision bipolar processing and thin-film technology combine to provide excellent performance at low cost.

Additionally, the active circuit produces an output impedance ten times lower than typical low-TC Zener diodes. This feature allows operation with no external components required to maintain full accuracy under changing load conditions.

The AD589 is available in seven versions. The AD589J, K, L and M grades are specified for 0°C to +70°C operation, while the S, T, and U grades are rated for the full -55°C to +125°C temperature range. All grades are available in a metal can (H-02A) package. The AD589J is also available in an 8-pin SOIC package.

Key Features

Superior Replacement for Other 1.2 V References

Wide Operating Range: 50 μ A to 5 mA

Low Power: 60 μ W Total PD at 50 μ A

Low Temperature Coefficient: 10 ppm/°C Max, 0°C to 70°C (AD589M)

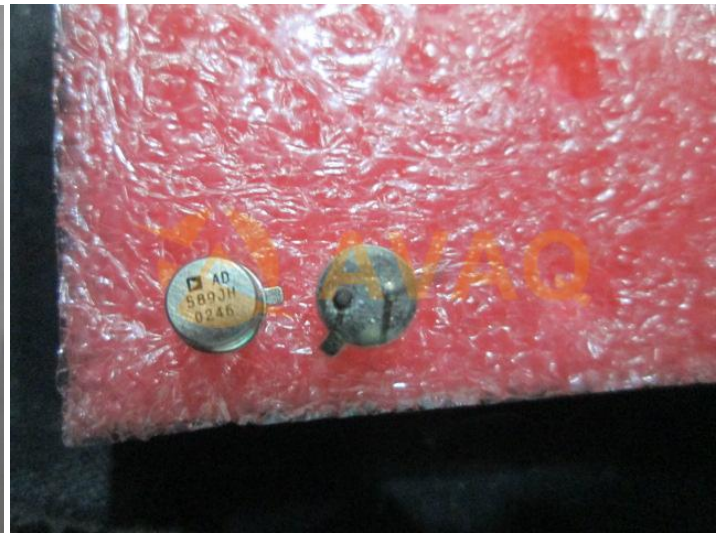
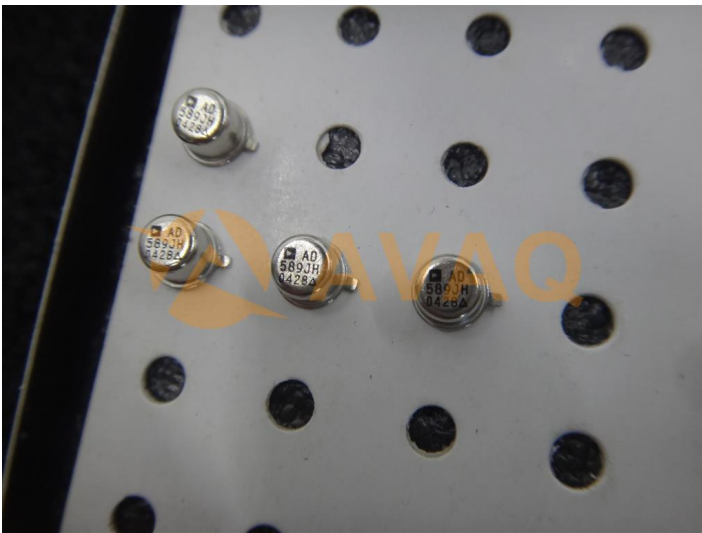
2-Terminal Zener Operation

Low Output Impedance: 0.6 Ω

No Frequency Compensation Required

Low Cost

MIL-STD-883 Compliant Versions Available



Recommended For You

ADP196ACPZ-R7

Analog Devices, Inc
LFCSP-6

ADP191ACBZ-R7

Analog Devices, Inc
WLCSP4

AD581LH

Analog Devices, Inc
CAN3

AD1583BRIZ-REEL7

Analog Devices, Inc
SOT-23

ADL5315ACPZ-R7

Analog Devices, Inc
LFCSP8

ADP5023ACPZ-R7

Analog Devices, Inc
LFCSP-24

ADR01TUJZ-EP-R7

Analog Devices, Inc
5-LeadTSOT

AD581KH

Analog Devices, Inc
CAN3

AD780BRZ

Analog Devices, Inc
SOP8

AD580SH

Analog Devices, Inc
CAN3

ADM660ARZ

Analog Devices, Inc
SOP8

ADM660ARZ-REEL7

Analog Devices, Inc
SOP8

ADP1612ARMZ-R7

Analog Devices, Inc
MSOP8

ADR444BRZ

Analog Devices, Inc
SOP8

AD1582ARTZ-REEL7

Analog Devices, Inc
SOT-23