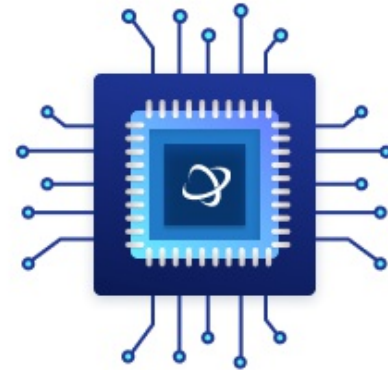


Radiation Hardened 2.5V Reference

Manufacturers	Analog Devices, Inc
Package/Case	CPAK-10P
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for RH1009MW or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The RH1009 is a general purpose 2.5V shunt regulator diode designed to operate over a wide current range while maintaining good stability with time and temperature. The adjust terminal allows either temperature coefficient to be minimized or the reference voltage to be adjusted without changing the temperature coefficient. Because it operates as a shunt regulator it can be used equally well as a positive or negative reference.

The wafer lots are processed to Analog Devices' in-house Class S flow to yield circuits usable in stringent military applications.

Third Party Vendor Availability

Analog Devices partners with third party vendors who assemble and test packaged products with RH Dice inside.

For MSK prefix products please click on the Part Number in the table below and scroll down the linked page to find the part number.

Part Number	Description
MSK109RH	Precision 2.5V Reference
MSK110RH	Dual Precision 2.5V Reference
MSK5950RH5A	Ultralow Voltage Adjustable Regulator, Split Bias

Features

MIL-PRF-38535 Class V Compliant Version -

Voltage tolerance $\pm 5\text{mV}$ up to 200Krad(Si) TID

Long term stability: 20ppm/kHr

Low Dynamic Impedance and Wide Operating Current Range

Adjust Pin For Optional Calibration of System Errors

Reverse Breakdown Current: 20mA

Forward Current: 10mA

Available In Metal Can, Ceramic Flatpack and as Unpackaged Dice

Radiation Performance

Total Ionizing Dose (TID) Tolerance, per TM1019.8, MIL-STD-883:

200kRad (Si), per condition A at 50Rads(Si)/sec

50kRad (Si), per condition D at 10mRads(Si)/sec

ELDRS Pass 50kRad(Si)

Displacement Damage Defect (DDD) up to $1\text{E}12$ Neutrons/cm²

Application

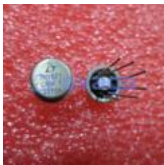
A/D and D/A Convertors

Precision Regulators

Measurement and Control Systems

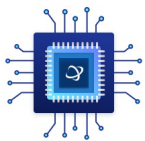
Power Supply Monitors

Related Products



[RH1021CMH-5](#)

Analog Devices, Inc
CAN-8



[RH1021CMW-5](#)

Analog Devices, Inc
FLATPAK-10



[ADP125ARHZ-R7](#)

Analog Devices, Inc
SOIC-8



[ADP124ARHZ-2.8-R7](#)

Analog Devices, Inc
MSOP-8



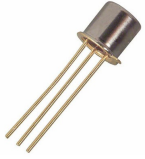
[RH1021BMH-5](#)

Analog Devices, Inc
METALCAN



[ADP125ARHZ](#)

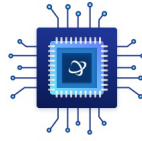
Analog Devices, Inc
MSOP8



[RH137H](#)

Analog Devices, Inc

CAN3



[RH1034MW-1.2](#)

Analog Devices, Inc

CPAK-10P