RH1086MH

Data Sheet

0.5A and 1.5A Low Dropout Positive Adjustable Regulators

Manufacturers	Analog Devices, Inc
Package/Case	CAN-3P
Product Type	LDO Linear Regulators ; Positive Linear Regulators (LDO)
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for RH1086MH or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The RH1086M positive adjustable regulator is designed to provide 0.5A for the H package and 1.5A for the K package with higher efficiency than currently available devices. All internal circuitry is designed to operate down to 1V input-output differential and the drop out voltage is fully specified as a function of load current. Dropout is guaranteed at a maximum of 1.5V at maximum output current, decreasing at lower load currents. On-chip trimming adjusts the output voltage to 1%. Current limit is also trimmed, minimizing the stress on both the regulator and power source circuitry under overload conditions.

The RH1086M is pin compatible with older 3-terminal regulators. A 10µF output capacitor is required on this new device. However, this is usually included in most regulator designs.

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

Third Party Vendor Availability

We partner 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 NumberDescriptionSMDMSK5970RH1.5A Positive Adjustable LDO5962-09211MSK5970RHL1.5A Positive Adjustable LDO5962-09211VRG86571A Dual Positive Adjustable LDO, Thru Hole5962-09201VRG86581A Dual Positive Adjustable LDO, Surf Mount5962-09201VRG86511A/3A Dual Pos/Neg Adj. LDO, Thru Hole5962-09201VRG86521A/3A Dual Pos/Neg Adj. LDO, Thru Hole5962-09201VRG86621A Positive Adjustable Regulator5962-09207

Features

MIL-PRF-38535 Class V Compliant Version –

Absolute Maximum Ratings

Power Dissipation: Internally Limited

Input-to-Output Voltage Differential: 25V

Operating Junction Temperature Range:

Power Transistor: –55°C to 200°C

Storage Temperature Range: –65°C to 150°C

Lead Temperature (Soldering, 10 sec): 300°C

Application

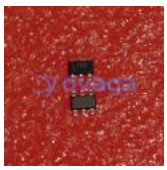
100% Thermal Limit Burn-In

Related Products

RH1078MH

Analog Devices, Inc

CAN-8



LT1616ES6

Analog Devices, Inc

SOT-23-6

LT1086CT-5

Analog Devices, Inc

TO-220

MAT01AH

Analog Devices, Inc

CAN6

LT3469ETS8

Analog Devices, Inc

SOT23-8

LT1210CT7

Analog Devices, Inc

TO-220-7

LT3470ITS8

Analog Devices, Inc

TSOT23-8

LT1170HVCT

Analog Devices, Inc

TO-220