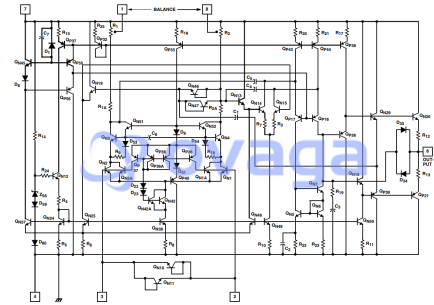


OPAMP 120MHZ VFB PRECISION 8CDIP MIL HT SUS CODE:8542330000

Manufacturers	Renesas Technology Corp
Package/Case	CDIP-8
Product Type	Amplifier ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for HA7-5147-2 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HA-5147 operational amplifier features an unparalleled combination of precision DC and wideband high speed characteristics. Utilizing the Intersil D. I. technology and advanced processing techniques, this unique design unites low noise (3.2nV/√Hz) precision instrumentation performance with high speed (35V/μs) wideband capability. This amplifier's impressive list of features include low VOS (30mV), wide gain bandwidth (120MHz), high open loop gain (1500V/mV) and high CMRR (120dB). Additionally, this flexible device operates over a wide supply range (±5V to ±20V) while consuming only 140mW of power. Using the HA-5147 allows designers to minimize errors while maximizing speed and bandwidth in applications requiring gains greater than ten. This device is ideally suited for low level transducer signal amplifier circuits. Other applications which can utilize the HA-5147's qualities include instrumentation amplifiers, pulse or RF amplifiers, audio preamplifiers and signal conditioning circuits. This device can easily be used as a design enhancement by directly replacing the 725, OP25, OP06, OP07, OP27 and OP37 where gains are greater than ten.

Features

Slew rate: 35V/μs

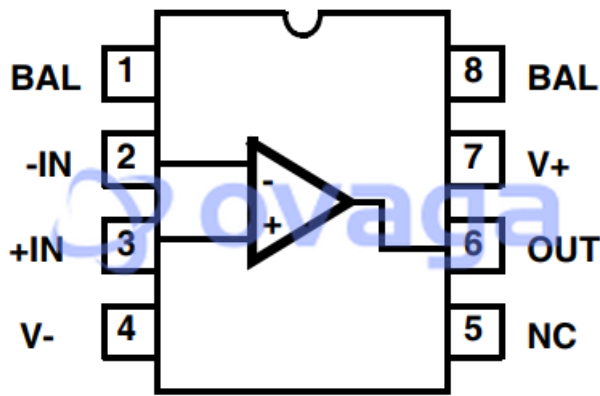
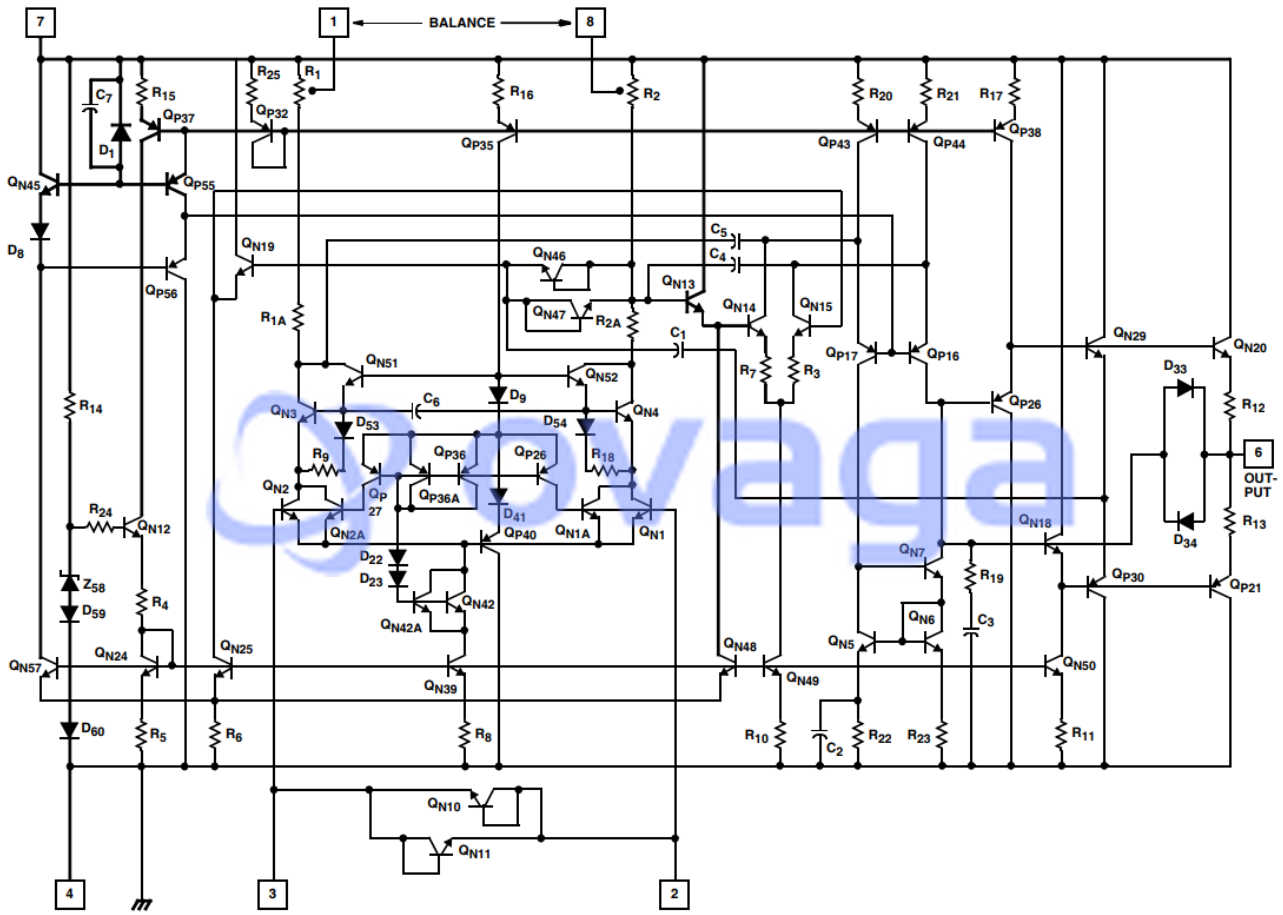
Wide gain bandwidth ($A_V \geq 10$): 120MHz

Low noise: 3.2nV/√Hz at 1kHz

Low V_{OS} : 30μV

High CMRR: 120dB

High gain: 1500V/mV



Related Products



[HA17358B](#)

Renesas Technology Corp
DIP-8



[HA1-5104-2](#)

Renesas Technology Corp
DIP-14



[HA7-5102-2](#)

Renesas Technology Corp
CDIP-8



[HA2-5002-2](#)

Renesas Technology Corp
8-Pin Metal Can



[HA7-2640-2](#)

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[HA2-2620-2](#)

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[HA17324A](#)

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DIP-14