



MC33182/4, MC34182/4, MC35182/4

DUAL/QUAD LOW POWER JFET
OPERATIONAL AMPLIFIERS

Precision Monolithics Inc

ADVANCE PRODUCT INFORMATION

FEATURES

- High Speed Rate 10V/ μ s Typ
- Wide Bandwidth 4MHz Typ
- Low Supply Current (per Amplifier) 250 μ A Max
- Low Offset Voltage 2mV Max
- Low Input Bias Current 50pA Max
- Fast Settling Time (0.01%) 1.5 μ s Typ
- Low Cost

APPLICATIONS

- Active Filters
- Fast Amplifiers
- Integrators
- Low Cost Instrumentation Amplifiers

GENERAL DESCRIPTION

The MC33182/4, MC34182/4, MC35182/4 series of JFET dual and quad operational amplifiers feature high slew rate, 10V/ μ s typical, with low supply current, under 250 μ A per amplifier. All amplifiers are unity-gain stable and have a typical gain bandwidth product of 4MHz. With a JFET input stage, these amplifiers have very low input bias current, under 50pA at 25°C. The all NPN output state eliminates crossover distortion, provides wide output voltage swing and makes these devices stable with high capacitive loads.

The MC33182/4, MC34182/4, MC35182/4 are specified over the commercial, extended industrial and military temperature ranges. Both dual and quad amplifiers are available in plastic and ceramic DIP plus SO surface mount packages.

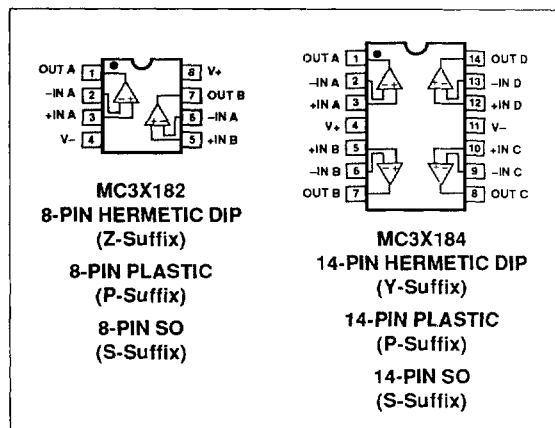
ORDERING INFORMATION [†]

	PACKAGE			OPERATING TEMPERATURE RANGE
	CERDIP	PLASTIC	SO	
8-PIN DUAL	—	MC34182P MC33182P	MC34182S MC33182S	COM XIND MIL
	MC35182Z*	—	—	
14-PIN QUAD	—	MC34184P MC33184P	MC34184S MC33184S	COM XIND MIL
	MC35184Y*	—	—	

* For devices processed in total compliance to MIL-STD-883, add/883 after part number. Consult factory for 883 data sheet.

[†] Burn-in is available on commercial and industrial temperature range parts in CerDIP and plastic DIP. For ordering information, see PMI's Data Book, Section 2.

PIN CONNECTIONS



This advance product information describes a product in development at the time of this printing. Final specifications may vary. Please contact local sales office or distributor for final data sheet.