

SV8541A, SV8542A, SV8544A

Micro Power, Low Noise Operational Amplifiers

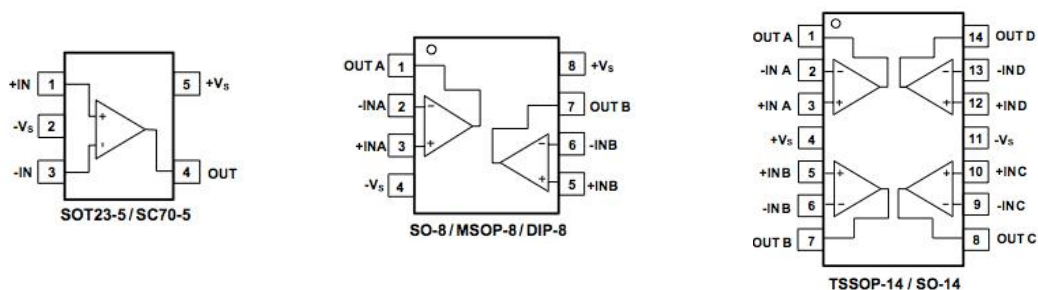
Features

Wide power supply range: +1.8 V to +5.5V
Very low quiescent current per amplifier: 25 μ A
Low Noise: $e_n = 17 \text{ nV}/\sqrt{\text{Hz}}$
Gain bandwidth product, GBP(typ)= 1.2 MHz
Low drift: $V_{OS}(\text{typ}) = 0.6 \text{ mV}$, $I_{OS}(\text{typ}) = 0.5 \text{ pA}$
Low input bias current: $I_B(\text{typ}) = 0.5 \text{ pA}$
Unity Gain Stable
Excellent Radio Frequency Immunity
(Pass IEC 1000-4-3 Radiated Immunity Class 2)

Description

The SV8541A/SV8542A/SV8544A consist of 1/2/4 independent, high gain, internally frequency-compensated operational amplifiers. They operate from a single power supply ranging from +1.8V to +5.5V and consume very low current that make them idea for two to four battery powered applications. Operation from split power supplies is also possible and the low power supply current drain is independent of the magnitude of the power supply voltage. The family also features low noise, low output offset voltage, low input offset current and low input bias current that make the family idea for sensor application within noisy environment

Pin connection



Order codes

Part number	Operation range	Package	Packing
SV8541A-05SC-TR3	-40°C, +85°C	SC70-5	Tape & reel, 3000pcs
SV8541A-05OT-TR3		SOT23-5	Tape & reel, 3000pcs
SV8542A-08SP-TR2		SOP-8	Tape & reel, 2500pcs
SV8542A-08MP-TR2		MSOP-8	Tape & reel, 2500pcs
SV8544A-14TP-TR2		TSSOP-14	Tube, 56ea / tube, 6720ea / carton
SV8544A-14SP-TR2		SOP-14	Tube, 56ea / tube, 6720ea / carton