

7. OPERATIONAL AMPLIFIER

Function	Device	Package	Features	Application
OP AMP	KA741//E	8 DIP 8 SOP	Internal frequency compensation Short circuit protection	Comparator, DC amp, Multivibrator, Summing amp, Integrator or differentiator, Narrow band or BPF
	KA301A	8 DIP 8 SOP	Short circuit protection External frequency compensation	Variable capacitance Multiplier Sine wave oscillator
	KF351	8 DIP 8 SOP	Internally trimmed offset Voltage: 10mV Low input bias current High input impedance: $10^{12}\Omega$ High slew rate: $13V/\mu s$ Wide gain bandwidth: 4MHz	Hi-Zin inverting amp Ultra low duty cycle Pulse generator Sample and Hold
Dual OP AMP	KA4558/I	8 DIP 8 SOP 9 SIP	Internal frequency compensation Low noise operation	Phone pre-amplifier Tape playback amplifier
	KA1458/I	8 DIP 8 SOP 9 SIP	Internal frequency compensation Short circuit protection	Filter Schmitt trigger Comparator Multivibrator
	KA358/A KA258/A KA2904	8 DIP 8 SOP 9 SIP	Internal frequency compensation for unit gain Large DC voltage gain Wide power supply range Single supply operation	DC summing amplifier Power amplification RC active bandpass filter Compatible with all forms of logic.
	KA5532	8 DIP	Low input noise voltage High gain bandwidth: 10MHz High slew rate: $9V/\mu s$ Large supply voltage range: ~ ± 3 to $\pm 20V$	DC Amp Telephone channel amplifiers Audio equipment
	KA9256	10 SIP H/S	Internal current limiting: $I_{sc} = 350mA$ Internal frequency compensation Minimal cross over distortion	High power amplifier CD motor driver
	KF442	8 DIP 8 SOP 9 SIP	Low supply current: $500\mu A$ (max) Low input bias current High input impedance High gain bandwidth: 1MHz High slew rate: $1V/\mu s$	Active filter DC summing amplifier Oscillator
	KF353	8 DIP	Low bias current Wide band width High input impedance: 45MHz High slew rate: $13V/\mu s$	Sample and hold D/A converter integrator

1