

HIGH CURRENT (>=100mA), MEDIUM-LOW Ib (<=10nA), Voltage feedback OP-AMPS

Fairchild Semiconductors, Linear Tech, ST, Intersil and Microchip don't have any product with these characteristics

Analog Devices

Part Number	Small Signal Bandwidth	Slew Rate	Vos	Ib	V Noise Density	Vcc-Vee	Iq per Amplifier	#channels	Package	I_out Capability	Problems
AD8655	28MHz	11V/μs	50μV	10pA	4nV/rtHz	2.7V-5.5V	4.5mA	1	SOIC, SOP	220mA	Lower supply, slow
AD8656	28MHz	11V/μs	50μV	10pA	4nV/rtHz	2.7V-5.5V	4.5mA	2	SOIC, SOP	220mA	Lower supply, slow
AD8618	24MHz	12V/μs	23μV	200fA	6nV/rtHz	2.7V-6V	2mA	4	SOIC, SOP	150mA	Lower supply, slow
AD8616	24MHz	12V/μs	23μV	200fA	6nV/rtHz	2.7V-6V	2mA	2	SOIC, SOP	150mA	Lower supply, slow
AD8615	23MHz	12V/μs	80μV	200fA	7nV/rtHz	2.7V-6V	1.7mA	1	SOIC, SOP, SOT	150mA	Lower supply, slow
AD8591	5MHz	3.5V/μs	25mV	5pA	30nV/rtHz	2.5V-6V	1.25mA	1	SOT	250mA	Lower supply, slow
AD8531	3MHz	5V/μs	25mV	5pA	30nV/rtHz	2.7V-6V	1.25mA	1	SC70, SOIC, SOT	250mA	Lower supply, slow
AD8532	3MHz	5V/μs	25mV	5pA	30nV/rtHz	3V-6V	1.25mA	2	SOIC, SOP	250mA	Lower supply, slow
AD8534	3MHz	5V/μs	25mV	5pA	30nV/rtHz	3V-6V	1.25mA	4	SOIC, SOP	250mA	Lower supply, slow
AD8594	2.2MHz	3.5V/μs	25mV	5pA	30nV/rtHz	2.5V-6V	1.25mA	4	SOIC, SOP	250mA	Lower supply, slow
AD8592	2.2MHz	3.5V/μs	25mV	5pA	30nV/rtHz	2.5V-6V	1.25mA	2	SOIC, SOP	250mA	Lower supply, slow

National Semiconductors

Part Number	Small Signal Bandwidth	Slew Rate	Vos	Ib	V Noise Density	Vcc-Vee	Iq per Amplifier	# channels	Package	I_out Capability	Problems
LMH6601	125MHz	275V/us	?	100pA	10nV/rtHz	6V		1		150mA	Works with lower supply

TI/BB HI Speed OP-AMPS

Part Number	Sub Family	# channels	Diff Gain (%)	Vio (max) (mV)	Vio Drift (max) (μV/.C)	Iib (max) (nA)	GBW (typ) (MHz)	BW @ Acl (MHz)	Diff Phase (deg)	@ Mhz
OPA356	JFET/CMOS	1	0.02	9	7	0.05	200	450	0.05	1
OPA3355	JFET/CMOS	3	0.02	2	7	0.05	200	450	0.05	1
OPA2355	JFET/CMOS	2	0.02	2	7	0.05	200	450	0.05	1
OPA2356	JFET/CMOS	2	0.02	9	7	0.05	200	450	0.05	1
OPA355	Voltage Feedback	1	0.02	2	7	0.05	200	450	0.05	1
OPA355	JFET/CMOS	1	0.02	2	7	0.05	200	450	0.05	1
OPA2357	JFET/CMOS	2	0.02	8	4	0.05	100	250	0.09	1
OPA357	JFET/CMOS	1	0.02	8	4	0.05	100	250	0.09	1
DRV1101	DSL/Power Line	1		3		1		10		

Part Number	Acl, min stable gain (V/V)	2nd Harmonic (dBc)	3rd Harmonic (dBc)	Slew Rate (typ) (V/us)	THD (Fc=1 MHz) (typ) (dB)	Vn@Flatband (typ) (nV/rtHz)	Single Supply	Dual	Shutdown	Io (typ) (mA)	Vs (min) (V)
OPA356	1	81	93	360	-79	5.8				100	2.5
OPA3355	1	81	93	360	-79	5.8		Yes	Yes	100	2.5
OPA2355	1	81	93	360	-79	5.8		Yes	Yes	100	2.5
OPA2356	1	81	93	360	-79	5.8				100	2.5
OPA355	1	81	93	360	-79	5.8		Yes	Yes	100	2.5
OPA355	1	81	93	360	-79	5.8		Yes	Yes	100	2.5
OPA2357	1	75	83	150	-74	6.5	Yes		Yes	100	2.5
OPA357	1	75	83	150	-74	6.5			Yes	100	2.5
DRV1101	3			100		30				230	4.5

Part Number	Video	Voltage Feedback	Vs (max) (V)	Iq per channel (max) (mA)	Recommended appl.	Available Channels	BW @ G=+2 (MHz)	0.1 dB BW Flatness (MHz)	Rail-Rail	TSettling (0.1%) (ns)
OPA356	Yes		5.5	14		D, S	100	75	Out	30
OPA3355			5.5	14		D, S, T	100	75		30
OPA2355			5.5	14		D, S, T	100	75	Out	30
OPA2356	Yes		5.5	14		D, S	100	75	Out	30
OPA355		Yes	5.5	14		D, S, T	100	75	Out	30
OPA355		Yes	5.5	14		D, S, T	100	75	Out	30
OPA2357			5.5	7.5		D, S	90	40	In, Out	30
OPA357			5.5	7.5		D, S	90	40	In, Out	30
DRV1101		Yes	5.5	38	DSL Drivers And Receivers	S			In, Out	300

Part Number	NI Input Current Noise (pA/rtHz)	Pin/Package	Description	Description
OPA356	0.05	5SOT-23, 8SOIC	2.5V, 200MHz GBW, CMOS Single Op Amp	Works with lower supply
OPA3355	0.05	14SOIC, 14TSSOP	2.5V, 200MHz GBW, CMOS Triple Op Amp With Shutdown	Works with lower supply
OPA2355	0.05	10MSOP	2.5V, 200MHz GBW, CMOS Dual Op Amp With Shutdown	Works with lower supply
OPA2356	0.05	8MSOP, 8SOIC	2.5V, 200MHz GBW, CMOS Dual Op Amp	Works with lower supply
OPA355	0.05	6SOT-23, 8SOIC	2.5V, 200MHz GBW, CMOS Single Op Amp With Shutdown	Works with lower supply
OPA355	0.05	6SOT-23, 8SOIC	2.5V, 200MHz GBW, CMOS Single Op Amp With Shutdown	Works with lower supply
OPA2357	0.05	10MSOP	250MHz, Rail-to-Rail I/O, Dual CMOS Operational Amplifier w/Shutdown	Works with lower supply
OPA357	0.05	6SOT-23, 8SO PowerPAD	250MHz, Rail-to-Rail I/O, Single CMOS Operational Amplifier w/Shutdown	Works with lower supply
DRV1101	0.05	8SOIC	High Power Differential Line Driver	Works with lower supply

TI/BB Precision OP-AMPS

Part Number	I _o max (mA) - output short circuited	Sub Family	Available Channels	Total Supply Volt. (V) (max) (V _{dd} -V _{ss})	Total Supply Volt. (V) (min)	I _q per channel (max) (mA)	GBW (typ) (MHz)	V _{IO} (mV)	Offset Drift (typ) (μV/°C)	I _{IB} (max) (pA)	CMRR (min) (dB)
OPA637	100	Low Offset Voltage	S	36	9	7.5	80	0.25	1.2	10	100
OPA380	150	High speed transimpedance amplifier	S, D	7		8.8	90	0.025		50	
Part Number	V _n at 1kHz (typ) (nV/rtHz)	Slew Rate (typ) (V/μs)	Pin/Package	Description	Problems						
OPA637	5.6	135	8PDIP, 8SOIC, 8TO-99	Precision High-Speed Difet(R) Operational Amplifiers							
OPA380	3	80	8PDIP, 8SOIC	High speed transimpedance amplifier	Lower supply, I _b = 50n						