

Lower Power

Type	Temperature Range	Pinout See This Section	Supply Current (μ A/Amp)	Supply Range (V)	Slew Rate (V/ μ s) @ Indicated Supply Current	Gain Bandwidth Product (kHz) @ Indicated Supply Current	Output Swing (V) $\pm$ 15V Power Supplies	Offset Voltage (mV)	Single Supply Operation	Comments
SINGLES	HA-5180	-55°C to +125°C -25°C to +85°C 0°C to +75°C	15, 16	700	$\pm$ 5/ $\pm$ 20	7	2000	$\pm$ 12	1.0	J-FET Ultra-low bias
	HA-5151	-55°C to +125°C 0°C to +75°C	9, 10	200	$\pm$ 1.5/ $\pm$ 15 +3/+30	4.5	1300	$>\pm$ 10	0.5	Yes New
	HA-5141	-55°C to +125°C 0°C to +75°C	9, 10	50	$\pm$ 1.5/ $\pm$ 15 +3/+30	1	400	0/+4 (+5Vs)	2	Yes Ultra-low power
DUALS	HA-5152	-55°C to +125°C 0°C to +75°C	11, 12, 30	200	$\pm$ 1.5/ $\pm$ 15 +3/+30	4.5	1300	$>\pm$ 10	0.5	Yes New
	HA-5142	-55°C to +125°C 0°C to +75°C	11, 12, 30	50	$\pm$ 1.5/ $\pm$ 15 +3/+30	1	400	0/+4 (+5Vs)	2	Yes Ultra-low power
QUADS	HA-5154	-55°C to +125°C 0°C to +75°C	23, 24	200	$\pm$ 1.5/ $\pm$ 15 +3/+30	4.5	1300	$>\pm$ 10	0.5	Yes New
	HA-5144	-55°C to +125°C 0°C to +75°C	23, 24	50	$\pm$ 1.5/ $\pm$ 15 +3/+30	1	400	0/+4 (+5Vs)	2	Yes Ultra-low power

Lower Power

Type		Description	I _{Quiescent} (Per Amplifier) (μA Typ)	V _{Supply} (V Max)	V _{OS} (mV Max)	I _{BIAS} (nA Max)	GBW (MHz)	Compensation	Temperature Range (°C)
SINGLES	ICL7611	CMOS, Selectable I _Q	10	±5	2, 5, 15	0.05	0.044	INT	0 to 70 &
	ICL7612	CMOS, Extended CMVR	10	±5	2, 5, 15	0.05	0.044	INT	-55 to +125
	ICL8021M	Bipolar, Selectable I _Q	30	±15	3	20	0.27	INT	-55 to +125
	ICL8021C	Bipolar, Selectable I _Q	30	±15	6	30	0.27	INT	0 to +70
TRIPLES	ICL7631	CMOS, Selectable I _Q	10	±5	5, 10, 20	0.05	0.044	INT	0 to +70 &
	ICL8023M	Triple 8021M	30	±15	3	20	0.27	INT	-55 to +125
	ICL8023C	Triple 8021C	30	±15	6	30	0.27	INT	0 to +70
QUADS	ICL7642	CMOS, Fixed I _Q	10	±5	5, 10, 20	0.05	0.044	INT	0 to +70 & -55 to +125