

## Operational Amplifiers

## High Slew Rate

Type	Temperature Range	Pinout See This Section	Slew Rate (V/ $\mu$ s)	Gain Bandwidth Product (MHz)	Full Power Bandwidth (MHz)	Bias Current (nA)	Open Loop Gain (kV/V)	Minimum Gain Stable	Comments	
HA-5221	-55°C to +125°C -40°C to +85°C 0°C to +75°C	25, 26	25	100	0.40	40	25	1	New	
HA-2620	-55°C to +125°C	2, 20	35	100	0.6	1	150	5		
HA-2622	-55°C to +125°C	2, 20	35	100	0.6	5	150	5		
HA-2625	0°C to +75°C	2	35	100	0.6	5	150	5		
HA-2548	-40°C to +85°C 0°C to +75°C	2, 8	120	150	1.91	5	3162	5	New	
HA-0005	-	-	600	-	25.8	250 MHz unity gain bandwidth $\pm$ 50mA high output drive				
HA-5111	-55°C to +125°C 0°C to +75°C	1, 2, 20	50	100	0.8	100	1000	10	New, Low Noise	
HA-2512	-55°C to +125°C	1, 2, 20	60	12	1.0	125	15	Unity		
HA-2515	0°C to +75°C	1, 2	60	12	1.0	125	15	Unity		
HA-2510	-55°C to +125°C	1, 2	65	12	1.0	100	15	Unity		
HA-5162	-55°C to +125°C 0°C to +75°C	19	70	100	1.0	0.02	100	10	J-FET	
HA-5160	-55°C to +125°C 0°C to +75°C	19	120	100	1.0	0.02	150	10	J-FET	
HA-2520	-55°C to +125°C	1, 2	120	20	2.0	100	15	3		
HA-2522	-55°C to +125°C	1, 2, 20	120	20	1.6	125	15	3		
HA-2525	0°C to +75°C	1, 2	120	20	1.6	125	15	3		
HA-2544	-55°C to +125°C 0°C to +75°C	14, 15, 20	150	50	4.2	8000	6	Unity	New, Video	
HA-2529	-55°C to +125°C	1, 2, 20	150	20	2.6	50	18	3	New	
HA-5190	-55°C to +125°C	4, 13, 18	200	150	6.5	5000	30	5	Fast Settling	
HA-5195	0°C to +75°C	4, 18	200	150	6.5	5000	30	5	Fast Settling	
HFA-0002	-55°C to +125°C -40°C to +85°C 0°C to +75°C	35, 36	250	1000	11.4	230	105	10	New	
HA-2541	-55°C to +125°C 0°C to +75°C	5, 6	280	40	4.5	6000	16	Unity	New, Fast Settling	
HA-2542	-55°C to +125°C 0°C to +75°C	7, 32	375	70	5.5	6000	30	2	New, High Output Current	
HA-2540	-55°C to +125°C -25°C to +85°C 0°C to +75°C	4, 13	400	400	6.0	5000	30	10		
HFA-0005	-55°C to +125°C -40°C to +85°C 0°C to +75°C	33, 37	420	300	22	15000	230	1	New	
HA-2539	-55°C to +125°C -25°C to +85°C 0°C to +75°C	3, 21	600	600	9.5	5000	30	10		
HFA-0001	-55°C to +125°C -40°C to +85°C 0°C to +75°C	33, 34	1000	350	53	15000	200	1	New	
DUALS	HA-5112	-55°C to +125°C 0°C to +75°C	11, 12, 30	20	60	0.3	130	230	10	Low Noise
	HA-5222	-55°C to +125°C -40°C to +85°C 0°C to +75°C	23, 24	25	100	0.40	40	2512	1	New
QUADS	HA-2400	-55°C to +125°C	29, 31	30	40	0.5	50	150	10	Addressable
	HA-2404	-40°C to +85°C	29	30	40	0.5	50	150	10	Addressable
	HA-2405	0°C to +75°C	29	30	40	0.5	50	150	10	Addressable
	HA-2406	0°C to +75°C	29	20	30	0.3	50	150	10	Addressable