

Full Bridge MOSFET Drivers

Mfr.'s Type	Description	Peak Output Current Each Drive	Supply Voltage Bias/Bus (V)	No Load Maint. Supply Current (mA)	Temperature Range (°C)	Package Type
HIP4080AIP	FET Driver with Comparator, Under Voltage, for Class D Amps,Voice Coils, and Motor Control	2.50 A	Bias: 9.5 to 16.0 Bus: 1.0 to 80.0	18.5	−40 to +85	20 Lead PDI
HIP4081AIP	FET Driver with Under Voltage, High Performance for DC-DC Converters, UPS and Motor Control	2.50 A	Bias: 9.5 to 16.0 Bus: 1.0 to 80.0	16.5	−40 to +85	20 Lead PDI
HIP4082IP	FET Driver with Under Voltage Independent FET Control	1.25 A	Bias: 9.5 to 16.0 Bus: 1.0 to 80.0	6.5	−40 to +85	16 Lead PDI

High Performance Buffers

Single

Mfr.'s Type		Description	−3 dB Bandwidth @ Min. Acl (MHz)	Slew Rate (V/μs)	Settling Time (ns to %)	Input Offset Voltage (mV)	Bias Current (μA)	Output Current (mA/Amp)	Supply Range (±Voc)	Supply Current (mA/Amp)
PDIP	SOIC									
HFA1112IP HA3-5033-5 HA3-5002-5	— — HA9P5002-5	850 MHz Programmable Gain (+2, ±1) 250 MHz Video Buffer 110 MHz High Output Current	850 250 110	2050 1100 1300	11-0.10 50-0.10 50-0.10	8 5 5	25.0 20.0 2.0	60 100 220	4.5 to 5.5 5.0 to 16.0 6.0 to 16.0	21.0 21.0 8.3

General Purpose Op-Amps

Single

Mfr.'s Type	Description	Minimum Stable Gain	GBWP (MHz)	Slew Rate (V/μs)	Offset Voltage (mV)	Bias Current (μA)	Maximum Supply Voltage (±V)	Supply Current (mA/Amp)	No. of Leads
DIP									
CA3130AE CA3130E	BiMOS Op-Amp with MOSFET Input/CMOS Output BiMOS Op-Amp with MOSFET Input/CMOS Output	1 1	15.0 15.0	30.0 30.0	2.0 8.0	5.000 pA 5.000 pA	8.0 8.0	2.00 2.00	8 8
CA3140AE CA3140E	BiMOS Op-Amp with MOSFET Input/Bipolar Output BiMOS Op-Amp with MOSFET Input/Bipolar Output	1 1	4.5 4.5	9.0 9.0	2.0 5.0	10.000 pA 10.000 pA	18.0 18.0	4.00 4.00	8 8
HA7-2645-5 CA3160E	High Voltage Op-Amp BiMOS Op-Amp with MOSFET Input/CMOS Output	1 1	4.0 4.0	5.0 10.0	2.0 6.0	0.012 5.000 pA	50.0 8.0	3.20 2.00	8 8
CA3080E CA741E	Operational Transconductance Amplifier (OTA) High Gain	1 1	2.0 1.0	75.0 0.5	0.4 1.0	2.000 0.080	18.0 22.0	1.00 1.70	8 8
HA3-2525-5	Uncompensated High Slew Rate Op-Amp	3	20.0	120.0	5.0	0.125	20.0	4.00	8

Dual

CA3240AE CA3240E	Dual BiMOS Op-Amp with MOSFET Input/Bipolar Output Dual BiMOS Op-Amp with MOSFET Input/Bipolar Output	1 1	4.5 4.5	9.0 9.0	2.0 5.0	10.000 pA 10.000 pA	18.0 18.0	4.00 4.00	8 8
CA1458E	High Gain	1	1.0	0.5	1.0	0.080	22.0	1.70	8

13

Transistor/Diode Arrays

Transistor Arrays

Mfr.'s Type	Description	V _{CE(sat)} Min. (V)	V _{CE(sat)} Min. (V)	h _{FE} Min.	I _C Max. (mA)	Package Type
CA3046 CA3081	3 Transistors Plus a Differential Pair, f _T > 300 MHz, 2 Matched Pairs ±5 mV 7 Common Emitter General Purpose NPN High Current Transistors	15 16	20 20	40 40	50 100	14 Lead PDIP 16 Lead PDIP
CA3082 CA3083	7 Common Collector General Purpose NPN High Current Transistors 5 Independent NPN Transistors. Q1 and Q2 Matched; IIO (at 1 mA) 2.5 μA Max.	16 15	20 20	40 40	100 100	16 Lead PDIP 16 Lead PDIP
CA3086 CA3146E	3 Isolated NPN Transistors Plus a Differential Pair. f _T >500 MHz Typ. from DC to 120 MHz 3 Transistors Plus a Differential Pair, f _T > 500 MHz Typ. Operation from DC to 120 MHz	15 30	20 40	40 40	50 75	14 Lead PDIP 14 Lead PDIP
CA3183AE CA3096E	5 High Current/High Voltage NPN Transistors. Q1 and Q2 Matched at 1 mA 5 Independent Transistors, 3 NPN and 2 PNP (NPN/PNP)	40 35/−40	50 45/−40	40 150/20	75 50/−10	16 Lead PDIP 16 Lead PDIP
CA3096AE CA3096CE	5 Independent Transistors, 3 NPN and 2 PNP (NPN/PNP) 5 Independent Transistors, 3 NPN and 2 PNP (NPN/PNP)	35/−40 24/−24	45/−40 30/−24	150/20 100/15	50/−10 50/−10	16 Lead PDIP 16 Lead PDIP
HFA3127B	5 Independent 8 GHz NPN Transistors, NF = 3.5 dB at 1 GHz (NPN/PNP)	8	12	40	40	16 Lead SOIC

Diode Array

Mfr.'s Type	Description	V _{DSR} Min. (V)	I _R Max. (μA)	C _o Typ. (pF)	V _{F1} -V _{F2} Max. (mV)	Package Type
CA3039	6 Individual Ultra-Fast Low Capacitance Matched Diodes	5	0.1	0.65	5 (IF=1 mA)	12 Lead TO-5

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