

General Purpose

Electrical Characteristics, $T_A = 25^\circ\text{C}$

Type	V_{IO} Max. mV	I_I Max. nA	I^+ Max. Ma	Max. V^+ , V^-	AOL (Min.) dB	Unity Gain BW Typ. MHz	SR (Typ.) $V/\mu\text{s}$	Pkg. No. of Pins*
Single-Unit Types								
CA311	7.5	250	8	± 18	106	Response Time 1	8E, S, T	
Dual-Unit Types								
CA3290	20	50pA	3	± 18	88	Response Time 2	8E, S, T 14E1	
CA3290A	10	40pA	3	± 18	88			
Quad-Unit Types								
CA139	5	100	8	± 18	-	Response Time 3	14E	
CA139A	2	100	8	± 18	94		14E	
CA239	5	250	2	± 18	-		14E	
CA239A	2	250	2	± 18	94		14E	
CA339	5	250	2	± 18	94		14E	
CA339A	2	250	2	± 18	94		14E	

* See interpretation guide and packaging section

Response Time:

- 1 - 200 ns
- 2 - $t_r = 1.2 \mu\text{s}$, $t_f = 200 \text{ ns}$
- 3 - $t_r = 1.3 \mu\text{s}$, $t_f = 300 \text{ ns}$

High-Speed

Type	V_{IO} mV	Propagation Delay ns	Tracking Bandwidth MHz
HFA-003	0.1	<3	300

Type	V_{IO} mV	I_{IO} nA	Comments	Re- sponse Time	Pkg. No. of Pins*
HA4900 HA4902 HA4905	2	10	Single or dual supply. Analog and logic supplies separated for easier interface and noise immunity	130ns	16