

i-Core Operational Amplifier Selection Guide

No.	Part Number	Function	Voltage Range	Package
General Purpose Op Amps				
1	AiP321/221	Single Operational Amplifiers	$\pm 1.5 \sim \pm 18V$	SOT23-5
2	AiP321L	Single Operational Amplifier	$\pm 1.5 \sim \pm 9V$	SOT23-5
3	AiP321LV	Single Rail-to-Rail Operational Amplifier	2.5~5.5V	SOT23-5
4	AiP358/258/2904 AiP358S	Dual Operational Amplifiers	$\pm 1.5 \sim \pm 18V$	DIP8 DFN8 SOP8 MSOP8 TSSOP8
5	AiP358L	Dual Operational Amplifier	$\pm 1.5 \sim \pm 9V$	DIP8 SOP8 MSOP8 TSSOP8
6	AiP358LV	Dual Rail-to-Rail Operational Amplifier	2.5~5.5V	SOP8 MSOP8 TSSOP8
7	AiP324/224/2902	Quad Operational Amplifiers	$\pm 1.5 \sim \pm 18V$	DIP14 SOP14 TSSOP14
8	AiP324L	Quad Operational Amplifier	$\pm 1.5 \sim \pm 9V$	DIP14 SOP14 TSSOP14
9	AiP324LV	Quad Rail-to-Rail Operational Amplifier	2.5~5.5V	SOP14 TSSOP14
10	AiP061	Single Low Power JFET Operational Amplifier	$\pm 5 \sim \pm 18V$	DIP8 SOP8 MSOP8 TSSOP8
11	AiP062	Dual Low Power JFET Operational Amplifier	$\pm 5 \sim \pm 18V$	DIP8 SOP8 MSOP8 TSSOP8
12	AiP064	Quad Low Power JFET Operational Amplifier	$\pm 5 \sim \pm 18V$	DIP14 SOP14 TSSOP14
13	AiP072	Dual Low Power JFET Operational Amplifier	$\pm 5 \sim \pm 18V$	DIP8 SOP8 MSOP8 TSSOP8

14	AiP074	Quad Low Power JFET Operational Amplifier	$\pm 5 \sim \pm 18V$	DIP14 SOP14 TSSOP14
15	AiP1330	Ultra-Small Low Voltage Operation CMOS Dual Operational Amplifier	1.8~5.5V	MSOP8 TSSOP14 SOP8
16	AiP8911*	Single 1.5MHz 40V Rail-to-Rail Output Amplifier	3~40V	SOT23-5 SOP8
17	AiP8912*	Dual 1.5MHz 40V Rail-to-Rail Output Amplifier	3~40V	SOP8 TSSOP8 MSOP8
18	AiP8914*	Quad 1.5MHz 40V Rail-to-Rail Output Amplifier	3~40V	SOP14 TSSOP14
19	AiP8911R*	Single 1.5MHz 40V High-SlewRate Rail-to-Rail Output Amplifier	3~40V	SOT23-5 SOP8
20	AiP8912R*	Dual 1.5MHz 40V High-SlewRate Rail-to-Rail Output Amplifier	3~40V	SOP8 TSSOP8 MSOP8
21	AiP8914R*	Quad 1.5MHz 40V High-SlewRate Rail-to-Rail Output Amplifier	3~40V	SOP14 TSSOP14
22	AiP8921*	Single 3.5MHz 40V Rail-to-Rail Output Amplifier	3~40V	SOT23-5 SOP8
23	AiP8922*	Dual 3.5MHz 40V Rail-to-Rail Output Amplifier	3~40V	SOP8 TSSOP8 MSOP8
24	AiP8924*	Quad 3.5MHz 40V Rail-to-Rail Output Amplifier	3~40V	SOP14 TSSOP14
25	AiP8921R*	Single 3.5MHz 40V High-SlewRate Rail-to-Rail Output Amplifier	3~40V	SOT23-5 SOP8
26	AiP8922R*	Dual 3.5MHz 40V High-SlewRate Rail-to-Rail Output Amplifier	3~40V	SOP8 TSSOP8 MSOP8
27	AiP8924R*	Quad 3.5MHz 40V High-SlewRate Rail-to-Rail Output Amplifier	3~40V	SOP14 TSSOP14
28	AiP8931▲	Single 7MHz 40V Rail-to-Rail Output Amplifier	3~40V	SOT23-5 SOP8
29	AiP8932▲	Dual 7MHz 40V Rail-to-Rail Output Amplifier	3~40V	SOP8 TSSOP8 MSOP8
30	AiP8934▲	Quad 7MHz 40V Rail-to-Rail Output Amplifier	3~40V	SOP14 TSSOP14
31	AiP8931R▲	Single 7MHz 40V High-SlewRate Rail-to-Rail Output Amplifier	3~40V	SOT23-5 SOP8

32	AiP8932R▲	Dual 7MHz 40V High-SlewRate Rail-to-Rail Output Amplifier	3~40V	SOP8 TSSOP8 MSOP8
33	AiP8934R▲	Quad 7MHz 40V High-SlewRate Rail-to-Rail Output Amplifier	3~40V	SOP14 TSSOP14
34	AiP8941*	Single 10MHz 40V Rail-to-Rail Output Amplifier	3.3~40V	SOT23-5 SOP8
35	AiP8942*	Dual 10MHz 40V Rail-to-Rail Output Amplifier	3.3~40V	SOP8 TSSOP8 MSOP8
36	AiP8944*	Quad 10MHz 40V Rail-to-Rail Output Amplifier	3.3~40V	SOP14 TSSOP14
37	AiP8941R*	Single 10MHz 40V High-SlewRate Rail-to-Rail Output Amplifier	3.3~40V	SOT23-5 SOP8
38	AiP8942R*	Dual 10MHz 40V High-SlewRate Rail-to-Rail Output Amplifier	3.3~40V	SOP8 TSSOP8 MSOP8
39	AiP8944R*	Quad 10MHz 40V High-SlewRate Rail-to-Rail Output Amplifier	3.3~40V	SOP14 TSSOP14
Nanoampere Power Consumption Op Amps				
40	AiP8621	Single 5kHz Nanoampere Power Rail-to-Rail Operational Amplifier	1.8~5.5V	SOT23-5 SOP8 MSOP8 DIP8
41	AiP8622	Dual 5kHz Nanoampere Power Rail-to-Rail Operational Amplifier	1.8~5.5V	SOP8 DFN8 MSOP8 DIP8
42	AiP8623	Single 5kHz Nanoampere Power Rail-to-Rail Operational Amplifier with Chip Selection	1.8~5.5V	SOT23-6 SOP8 MSOP8 DIP8
43	AiP8624	Quad 5kHz Nanoampere Power Rail-to-Rail Operational Amplifier	1.8~5.5V	SOP14 QFN16 TSSOP14 DIP14
44	AiP8641	Single 15kHz Nanoampere Power Rail-to-Rail Operational Amplifier	1.8~5.5V	SOT23-5 SOP8 MSOP8 DIP8
45	AiP8642	Dual 15kHz Nanoampere Power Rail-to-Rail Operational Amplifier	1.8~5.5V	SOP8/DIP8 DFN8 MSOP8

46	AiP8643	Single 15kHz Nanoampere Power Rail-to-Rail Operational Amplifier with Chip Selection	1.8~5.5V	SOT23-6 SOP8 MSOP8 DIP8
47	AiP8644	Quad 15kHz Nanoampere Power Rail-to-Rail Operational Amplifier	1.8~5.5V	SOP14 QFN16 TSSOP14 DIP14
48	AiP8645	Non-Unity Gain, Single 100kHz Nanoampere Power Rail-to-Rail Operational Amplifier	1.8~5.5V	SOT23-5 SOP8 MSOP8 DIP8
49	AiP8646	Non-Unity Gain, Dual 100kHz Nanoampere Power Rail-to-Rail Operational Amplifier	1.8~5.5V	SOP8 DFN8 MSOP8 DIP8
50	AiP8647	Non-Unity Gain, Single 100kHz Nanoampere Power Rail-to-Rail Operational Amplifier with Chip Selection	1.8~5.5V	SOT23-6 SOP8 MSOP8 DIP8
51	AiP8648	Non-Unity Gain, Quad 100kHz Nanoampere Power Rail-to-Rail Operational Amplifier	1.8~5.5V	SOP14 QFN16 TSSOP14 DIP14
Microampere Power Consumption Op Amps				
52	AiP8611	Single 150kHz, 5uA Rail-to-Rail Operational Amplifier	2~5.5V	SOT23-5 SOT353 SOP8 MSOP8
53	AiP8611B	Single 150kHz, 5uA Rail-to-Rail Operational Amplifier	2~5.5V	SOT23-5 SOT353
54	AiP8612	Dual 150kHz Rail-to-Rail Operational Amplifier	2~5.5V	SOP8 MSOP8 DIP8 TSSOP8 DFN8
55	AiP8613	Single 150kHz, 5uA Rail-to-Rail Operational Amplifier with Enable	2~5.5V	SOT23-6 SOT363 SOP8 MSOP8
56	AiP8614	Quad 150kHz, 5uA Rail-to-Rail Operational Amplifier	2~5.5V	DIP14 SOP14 TSSOP14

57	AiP8619	Dual 150kHz, 5uA Rail-to-Rail Operational Amplifier with Enable	2~5.5V	MSOP10
58	AiP8631	Single 500kHz,18uA Rail-to-Rail Operational Amplifier	2~5.5V	SOT23-5 SOT353 SOP8 MSOP8
59	AiP8631B	Single 500kHz,18uA Rail-to-Rail Operational Amplifier	2~5.5V	SOT23-5 SOT353
60	AiP8632	Dual 500kHz,18uA Rail-to-Rail Operational Amplifier	2~5.5V	SOP8 MSOP8 DIP8 TSSOP8 DFN8
61	AiP8633	Single 500kHz,18uA Rail-to-Rail Operational Amplifier with Enable	2~5.5V	SOT23-6 SOT363 SOP8 MSOP8
62	AiP8634	Quad 500kHz,18uA Rail-to-Rail Operational Amplifier	2~5.5V	DIP14 SOP14 TSSOP14
63	AiP8639	Dual 500kHz,18uA Rail-to-Rail Operational Amplifier with Enable	2~5.5V	MSOP10
64	AiP8651	Single 1.1MHz,45uA Rail-to-Rail Operational Amplifier	2.2~5.5V	SOT23-5 SOT353 SOP8 MSOP8
65	AiP8651B	Single 1.1MHz,45uA Rail-to-Rail Operational Amplifier	2.2~5.5V	SOT23-5 SOT353
66	AiP8652	Dual 1.1MHz,45uA Rail-to-Rail Operational Amplifier	2.2~5.5V	SOP8 MSOP8 DIP8 TSSOP8 DFN8
67	AiP8653	Single 1.1MHz,45uA Rail-to-Rail Operational Amplifier with Enable	2.2~5.5V	SOT23-6 SOT363 SOP8 MSOP8
68	AiP8654	Quad 1.1MHz,45uA Rail-to-Rail Operational Amplifier	2.2~5.5V	DIP14 SOP14 TSSOP14
69	AiP8659	Dual 1.1MHz,45uA Rail-to-Rail Operational Amplifier with Enable	2.2~5.5V	MSOP10

70	AiP9272 AiP9274	Micro power Op Amp	1.6~5.5V	SOP8 DIP8 TSSOP8 SOP14 DIP14
Low Noise Op Amps				
71	AiP24580	Quad Low-Noise Operational Amplifiers	$\pm 2 \sim \pm 18V$	SOP14
72	AiP4580 AiP4580S	Dual Low-Noise Operational Amplifiers	$\pm 2 \sim \pm 18V$	MSOP8 SSOP8 SOP8 DIP8
73	AiP4580P	Surge Handling Dual Low-Noise Operational Amplifiers	$\pm 2 \sim \pm 18V$	SOP8 DIP8
74	AiP4558 AiP4558S	Dual Low-Noise Operational Amplifiers	$\pm 1.5 \sim \pm 18V$	SOP8 SIP8 DIP8 SOP8W
75	AiP4558P	Surge Handling Dual Low-Noise Operational Amplifiers	$\pm 2 \sim \pm 18V$	SOP8 DIP8
76	AiP4558L	Dual Low-Noise Operational Amplifier	$\pm 1.5 \sim \pm 9V$	SOP8 SIP8 DIP8 SOP8W
77	AiP5532	Dual Low-Noise Operational Amplifier	$\pm 3 \sim \pm 18V$	MSOP8 SSOP8 SOP8 DIP8
78	AiP5534	Single Low-Noise Operational Amplifier	$\pm 3 \sim \pm 18V$	MSOP8 SSOP8 SOP8 DIP8
79	AiP8721	10MHz, Single Low Noise Rail-to-Rail Operational Amplifier	2.2~5.5V	SOT23-5 SOT353 SOP8 MSOP8
80	AiP8722	10MHz, Dual Low Noise Rail-to-Rail Operational Amplifier	2.2~5.5V	SOP8/TSSOP 8 MSOP8
81	AiP8724	10MHz, Quad Low Noise Rail-to-Rail Operational Amplifier	2.2~5.5V	SOP14 TSSOP14
82	AiP8723	10MHz, Single Low Noise Rail-to-Rail Operational Amplifier with enable	2.2~5.5V	SOT23-6 SOP8

83	AiP8729	10MHz, Dual Low Noise Rail-to-Rail Operational Amplifier with enable	2.2~5.5V	MSOP10
84	AiP8731	20MHz, Single Low Noise Rail-to-Rail Operational Amplifier	2.2~5.5V	SOT23-5 SOT353 SOP8 MSOP8
85	AiP8732	20MHz, Dual Low Noise Rail-to-Rail Operational Amplifier	2.2~5.5V	SOP8 MSOP8 SOT23-8 TSSOP8
86	AiP8734	20MHz, Quad Low Noise Rail-to-Rail Operational Amplifier	2.2~5.5V	SOP14 TSSOP14
87	AiP8733	20MHz, Single Low Noise Rail-to-Rail Operational Amplifier with enable	2.2~5.5V	SOT23-6 SOP8
88	AiP8739	20MHz, Dual Low Noise Rail-to-Rail Operational Amplifier with enable	2.2~5.5V	MSOP10
89	AiP8711	6MHz, Single Low Noise Rail-to-Rail Operational Amplifier	2.2~5.5V	SOT23-5 SOT353 SOP8 MSOP8
90	AiP8712	6MHz, Dual Low Noise Rail-to-Rail Operational Amplifier	2.2~5.5V	SOP8 MSOP8 SOT23-8 TSSOP8
91	AiP8714	6MHz, Quad Low Noise Rail-to-Rail Operational Amplifier	2.2~5.5V	SOP14 TSSOP14
92	AiP8713	6MHz, Single Low Noise Rail-to-Rail Operational Amplifier with enable	2.2~5.5V	SOT23-6 SOP8
93	AiP8719	6MHz, Dual Low Noise Rail-to-Rail Operational Amplifier with enable	2.2~5.5V	MSOP10
94	AiP8772	Dual Low-Noise Rail-to-Rail Operational Amplifier	$\pm 2.2 \sim \pm 8V$	MSOP8 SOP8 DIP8
95	AiP8774	Quad Low-Noise Rail-to-Rail Operational Amplifier	$\pm 2.2 \sim \pm 8V$	SOP14 TSSOP14 DIP14
High Speed Op Amps				
96	AiP8051	Single 250MHz Rail-to-Rail Operational Amplifier	2.5~5.5V	SOT23-5
97	AiP8052	Dual 250MHz Rail-to-Rail Operational Amplifier	2.5~5.5V	SOP8 MSOP8
98	AiP8053	Single 250MHz Rail-to-Rail Operational Amplifier with Shut-Down	2.5~5.5V	SOT23-6 SOT363 SOP8

99	AiP8054	Quad 250MHz Rail-to-Rail Operational Amplifier	2.5~5.5V	SOP14 TSSOP14
100	AiP8059	Dual 250MHz Rail-to-Rail Operational Amplifier with Shut-Down	2.5~5.5V	MSOP10
101	AiP8031	Single 100MHz Rail-to-Rail Operational Amplifier	2.5~5.5V	SOT23-5 SOT353 SOP8
102	AiP8032	Dual 100MHz Rail-to-Rail Operational Amplifier	2.5~5.5V	SOP8 TSSOP8 MSOP8
103	AiP8033	Single 100MHz Rail-to-Rail Operational Amplifier with Shut-Down	2.5~5.5V	SOT23-6 SOT363 SOP8
104	AiP8034	Quad 100MHz Rail-to-Rail Operational Amplifier	2.5~5.5V	SOP14 TSSOP14
105	AiP8039	Dual 100MHz Rail-to-Rail Operational Amplifier with Shut-Down	2.5~5.5V	MSOP10
106	AiP8061 ▲	Single 500MHz Rail-to-Rail Output Operational Amplifier	2.5~5.5V	SOT23-5 SOP8
107	AiP8062 ▲	Dual 500MHz Rail-to-Rail Output Operational Amplifier	2.5~5.5V	SOP8 MSOP8
108	AiP8063 ▲	Single 500MHz Rail-to-Rail Output Operational Amplifier with Shut-Down	2.5~5.5V	SOT23-6 SOP8
109	AiP8064 ▲	Quad 500MHz Rail-to-Rail Output Operational Amplifier	2.5~5.5V	SOP14 TSSOP14
110	AiP8069 ▲	Dual 500MHz Rail-to-Rail Output Operational Amplifier with Shut-Down	2.5~5.5V	MSOP10
111	AiP8091*	Single 350MHz Rail-to-Rail Output Operational Amplifier	2.5~5.5V	SOT23-5 SOP8
112	AiP8092*	Dual 350MHz Rail-to-Rail Output Operational Amplifier	2.5~5.5V	SOP8 MSOP8
113	AiP8093*	Single 350MHz Rail-to-Rail Output Operational Amplifier with Shut-Down	2.5~5.5V	SOT23-6 SOP8
114	AiP8094*	Quad 350MHz Rail-to-Rail Output Operational Amplifier	2.5~5.5V	SOP14 TSSOP14
115	AiP8099*	Dual 350MHz Rail-to-Rail Output Operational Amplifier with Shut-Down	2.5~5.5V	MSOP10
High Voltage, High Speed Op Amps				
116	AiP8071	Single 100MHz, High Voltage, Rail-to-Rail Output Amplifier	3.5~12V	SOT23-5 SOP8 MSOP8
117	AiP8072	Dual 100MHz, High Voltage, Rail-to-Rail Output Amplifier	3.5~12V	SOP8 MSOP8

118	AiP8074	Quad 100MHz, High Voltage, Rail-to-Rail Output Amplifier	3.5~12V	SOP14 TSSOP14
119	AiP8041	Single 200MHz, High Voltage, Rail-to-Rail Output Amplifier	3.5~12V	SOT23-5 SOP8 MSOP8
120	AiP8042	Dual 200MHz, High Voltage, Rail-to-Rail Output Amplifier	3.5~12V	SOP8 MSOP8
121	AiP8044	Quad 200MHz, High Voltage, Rail-to-Rail Output Amplifier	3.5~12V	SOP14 TSSOP14
High Precision, Zero Drift Op Amps				
122	AiP07	Single High Precision Operational Amplifier	$\pm 3.0 \sim \pm 18V$	DIP8 SOP8 MSOP8 TSSOP8
123	AiP8531	Single 350KHz Zero Drift Rail-to-Rail Operational Amplifier	2.4~5.5V	SOT23-5 SOP8 MSOP8
124	AiP8532	Dual 350KHz Zero Drift Rail-to-Rail Operational Amplifier	2.4~5.5V	SOP8 MSOP8 TSSOP8 DFN8
125	AiP8534	Quad 350KHz Zero Drift Rail-to-Rail Operational Amplifier	2.4~5.5V	SOP14 TSSOP14
126	AiP8533	Single 350KHz Zero Drift Rail-to-Rail Operational Amplifier with enable	2.4~5.5V	SOT23-6 SOP8 MSOP8
127	AiP8539	Dual 350KHz Zero Drift Rail-to-Rail Operational Amplifier with enable	2.4~5.5V	MSOP10
128	AiP8551	Single 3.5MHz Zero Drift Rail-to-Rail Operational Amplifier	2.4~5.5V	SOT23-5 SOP8 MSOP8
129	AiP8552	Dual 3.5MHz Zero Drift Rail-to-Rail Operational Amplifier	2.4~5.5V	SOP8 MSOP8 TSSOP8 DFN8
130	AiP8554	Quad 3.5MHz Zero Drift Rail-to-Rail Operational Amplifier	2.4~5.5V	SOP14 TSSOP14
131	AiP8553	Single 3.5MHz Zero Drift Rail-to-Rail Operational Amplifier with enable	2.4~5.5V	SOT23-6 SOP8 MSOP8
132	AiP8559	Dual 3.5MHz Zero Drift Rail-to-Rail Operational Amplifier with enable	2.4~5.5V	MSOP10

133	AiP8561	Single 11MHz Zero Drift Rail-to-Rail Operational Amplifier	2.5~5.5V	SOT23-5 SOP8 MSOP8
134	AiP8562	Dual 3.5MHz Zero Drift Rail-to-Rail Operational Amplifier	2.5~5.5V	SOP8 MSOP8 TSSOP8 DFN8
135	AiP8564	Quad 3.5MHz Zero Drift Rail-to-Rail Operational Amplifier	2.5~5.5V	SOP14 TSSOP14
136	AiP8563	Single 3.5MHz Zero Drift Rail-to-Rail Operational Amplifier with enable	2.5~5.5V	SOT23-6 SOP8 MSOP8
137	AiP8569	Dual 3.5MHz Zero Drift Rail-to-Rail Operational Amplifier with enable	2.5~5.5V	MSOP10
138	AiP8581	Single 11MHz Zero Drift Rail-to-Rail Operational Amplifier	2.7~5.5V	SOT23-5 SOP8 MSOP8
139	AiP8582	Dual 3.5MHz Zero Drift Rail-to-Rail Operational Amplifier	2.7~5.5V	SOP8 MSOP8 TSSOP8 DFN8
140	AiP8584	Quad 3.5MHz Zero Drift Rail-to-Rail Operational Amplifier	2.7~5.5V	SOP14 TSSOP14
141	AiP8583	Single 3.5MHz Zero Drift Rail-to-Rail Operational Amplifier with enable	2.7~5.5V	SOT23-6 SOP8 MSOP8
142	AiP8589	Dual 3.5MHz Zero Drift Rail-to-Rail Operational Amplifier with enable	2.7~5.5V	MSOP10
143	AiP8511*	Single 40V 12M Zero Drift Rail-to-Rail Operational Amplifier	4.5~40V	SOT23-5 SOP8 MSOP8
144	AiP8512*	Dual 40V 12M Zero Drift Rail-to-Rail Operational Amplifier	4.5~40V	SOP8 MSOP8
145	AiP8514*	Quad 40V 12M Zero Drift Rail-to-Rail Operational Amplifier	4.5~40V	SOP14 TSSOP14

Note: Models marked with * are under development; models marked with ▲ are available for online packaging.