

Operational Amplifiers and Comparators

■ Operational Amplifiers

Description	No. of circuit	Model No.	Supply voltage (V)MAX.	Input bias current (nA)MAX.	Package	Equivalent
General-purpose	1	IR3741/N	± 18	500	8DIP/8SOP	$\mu A741$
	2	IR91458/N	± 18	500		MC1458
		IR3F01/N	$36, \pm 18$	500		—
		IR9358/N	$36, \pm 18$	150		LM358
		IR94558/N	± 18	500		4558 type
		IR94559	± 18	500	8DIP	4559 type
	4	IR3702/N	$36, \pm 18$	500	14DIP/14SOP	LM324
		IR93403/N	$36, \pm 18$	500		MC3403
Low drift	1	IR9725/N	± 18	125	8DIP/8SOP	—
Programmable	1	IR91308	$15, \pm 7.5$	400	8DIP	LM13080
High slew rate	2	IR3F02/N	± 18	500	8DIP/8SOP	—
Low power		IR9022/N	± 18	250		TL022
Junction FET input	2	IR9082/N	± 18	0.4	8DIP/8SOP	TL082
	4	IR9084	± 18	0.4	14DIP	TL084

■ Comparators

Description	No. of circuit	Model No.	Supply voltage (V)MAX.	Input bias current (nA)MAX.	Package	Equivalent
General-purpose	2	IR9393/N	$36, \pm 18$	250	8DIP/8SOP	LM393
	4	IR2339/N	$36, \pm 18$	250	14DIP/14SOP	LM339
Medium speed	1	IR9311/N	± 18	250	8DIP/8SOP	LM311
	2	IR9319	$36, \pm 18$	1 000	14DIP	LM319
Low power	4	IR9161/N	± 18	150	16DIP/16SOP	L161D
High speed	1	IR3G03N	± 5.5	300	8SOP	MAX909