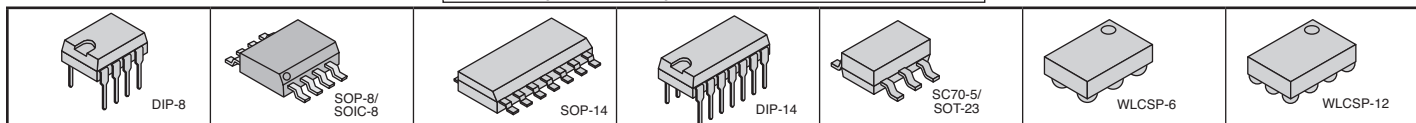


Amplifiers

Products may be RoHS compliant. Check mouser.com for RoHS status.



Amplifier ICs

FAIRCHILD STANDARD OPERATIONAL AMPS

◆ Surface Mount Device
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	No. of Amp	Supply Voltage (VCC)+/-	Input Offset Volt. Max	Input Offset Curr. Max	Input Bias Curr. Max	Supply Current Typ.	Volt. Gain Typical	Output Volt. Swing Typical		Slew Rate (V/μs)	Price Each			
										(VoL)	(VoH)		1	25	100	250
◆ 512-KA324A	KA324A	DIP-14	4	16/32V	7mV	50nA	250nA	0.7mA	100V/mV	5mV	28000mV	-	.56	.41	.352	.305
◆ 512-KA324ADTF	KA324ADTF	SOP-14	4	16/32V	3mV	30nA	100nA	1.5mA	100V/mV	5mV	28000mV	-	.53	.34	.284	.237
◆ 512-KA358A	KA358A	DIP-8	2	16/32V	3mV	30nA	100nA	0.8mA	100V/mV	5mV	28000mV	-	.60	.39	.325	.268
◆ 512-KA358ADTF	KA358ADTF	SOP-8	2	16/32V	7mV	50nA	250nA	0.8mA	100V/mV	5mV	28000mV	-	.60	.39	.325	.268
◆ 512-KA4558	KA4558	DIP-8	2	22V	6mV	200nA	500nA	3.5mA	200V/mV	-	14000mV	1.2	.33	.275	.247	.205
◆ 512-KA4558DTF	KA4558DTF	SOIC-8	2	22V	6mV	200nA	500nA	3.5mA	200V/mV	-	14000mV	1.2	.32	.268	.242	.20
◆ 512-L272AM	L272AM	DIP-8	2	40V	60mV	250nA	2500nA	7.5mA	-	-	23000mV	1	.58	.49	.395	.343
◆ 512-L272M	L272M	DIP-8	2	40V	60mV	250nA	2500nA	7.5mA	-	-	23000mV	1	.66	.48	.419	.363
◆ 512-LF353MX	LF353MX	SOIC-8	2	18V	10mV	0.1nA	0.2nA	3.6mA	100V/mV	-	-	13	.56	.49	.413	.357
◆ 512-LF353N	LF353N	DIP-8	2	18V	10mV	0.1nA	0.2nA	3.6mA	100V/mV	-	-	13	.50	.417	.366	.311
◆ 512-LM258AM	LM258AM	SOP-8	2	16/32V	5mV	30nA	150nA	0.8mA	100V/mV	5mV	28mV	-	.56	.37	.304	.251
◆ 512-LM258N	LM258N	DIP-8	2	16/32V	5mV	30nA	150nA	0.8mA	100V/mV	5mV	28000mV	-	.51	.33	.278	.229
◆ 512-LM2902M	LM2902M	SOP-14	4	13/26V	7mV	50nA	250nA	1mA	100V/mV	5mV	24mV	-	.38	.312	.281	.233
◆ 512-LM2902MX	LM2902MX	SOP-14	4	13/26V	7mV	50nA	250nA	0.7mA	100V/mV	5mV	24000mV	-	.35	.29	.261	.216
◆ 512-LM2902N	LM2902N	DIP-14	4	13/26V	7mV	50nA	250nA	0.7mA	100V/mV	5mV	24000mV	-	.36	.296	.266	.221
◆ 512-LM2904M	LM2904M	SOP-8	2	13/26V	7mV	50nA	250nA	0.8mA	100V/mV	5mV	24mV	-	.30	.248	.223	.185
◆ 512-LM2904MX	LM2904MX	SOP-8	2	13/26V	7mV	50nA	250nA	0.8mA	100V/mV	5mV	24mV	-	.30	.248	.223	.185
◆ 512-LM2904N	LM2904N	DIP-8	2	13/26V	7mV	50nA	250nA	0.5mA	100V/mV	5mV	24000mV	-	.30	.252	.227	.188
◆ 512-LM324AM	LM324AM	SOP-14	4	16/32V	7mV	50nA	250nA	1mA	100V/mV	5mV	28mV	-	.57	.374	.305	.252
◆ 512-LM324AMX	LM324AMX	SOP-14	4	16/32V	7mV	50nA	250nA	1mA	100V/mV	5mV	28mV	-	.31	.278	.267	.234
◆ 512-LM324AN	LM324AN	DIP-14	4	16/32V	3mV	30nA	100nA	0.7mA	100V/mV	5mV	28000mV	-	.48	.35	.299	.257
◆ 512-LM324M	LM324M	SOP-14	4	16/32V	7mV	50nA	250nA	1mA	100V/mV	5mV	28mV	-	.38	.312	.281	.233
◆ 512-LM324MX	LM324MX	SOP-14	4	16/32V	7mV	50nA	250nA	0.7mA	100V/mV	5mV	28000mV	-	.35	.29	.261	.216
◆ 512-LM324Nz	LM324Nz	DIP-14	4	16/32V	7mV	50nA	250nA	0.7mA	100V/mV	5mV	28000mV	-	.48	.35	.305	.257
◆ 512-LM358AM	LM358AM	SOP-8	2	16/32V	7mV	50nA	250nA	0.8mA	100V/mV	5mV	28mV	-	.30	.248	.223	.185
◆ 512-LM358AMX	LM358AMX	SOIC-8	2	16/32V	3mV	30nA	100nA	0.5mA	100V/mV	5mV	28000mV	-	.46	.30	.249	.205
◆ 512-LM358AN	LM358AN	DIP-8	2	16/32V	3mV	30nA	100nA	0.5mA	100V/mV	5mV	28000mV	-	.30	.252	.227	.188
◆ 512-LM358M	LM358M	SOP-8	2	16/32V	7mV	50nA	250nA	0.8mA	100V/mV	5mV	28mV	-	.30	.248	.223	.185
◆ 512-LM358MX	LM358MX	SOIC-8	2	16/32V	7mV	50nA	250nA	0.5mA	100V/mV	5mV	28000mV	-	.28	.233	.21	.174
◆ 512-LM358N	LM358N	DIP-8	2	16/32V	7mV	50nA	250nA	0.5mA	100V/mV	5mV	28000mV	-	.30	.252	.227	.188

FAIRCHILD HIGH PERFORMANCE OPERATIONAL AMPLIFIERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Amps Per Pack	Power Down	Rail to Rail Input or Output	Typical Unity Gain Bandwidth MHz	Typical Supply Curr. per Amp (mA)	Typical Output Current (+/- mA)	Supply Voltage Max (V)	CMIR Max (V)	Output Swing (V)	Input Voltage Noise (nV/rtHz)	Typical Offset Voltage (mV)	Typical Input Bias Curr. (nA)	Slew Rate (V/μs)	Price Each			
																1	25	100	250
◆ 512-LMV321AP5X	LMV321AP5X	SC70-5	1	No	Output	1.4	0.1	35	5.5	3.8	4.98	33	1	0	15	.41	.35	.299	.258
◆ 512-LMV321AS5X	LMV321AS5X	SOT-23	1	No	Output	1.4	0.1	35	5.5	3.8	4.98	33	1	0	15	.50	.41	.333	.278
◆ 512-LMV358AM8X	LMV358AM8X	SOIC-8	2	No	Output	1.4	0.1	35	5.5	3.8	4.98	33	1	0	15	.54	.451	.403	.336
◆ 512-LMV358AMU8X	LMV358AMU8X	SOP-8	2	No	Output	1.4	0.1	35	5.5	3.8	4.98	33	1	0	15	.52	.432	.389	.323

FAIRCHILD AUDIO HEADPHONE AMPLIFIERS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Headphone Channels	Output Power (mW)	THD plus Noise (%)	Operating Supply Voltage(V)	Supply Current (mA)	Quiescent Current (Max.) (mA)	Operating Temperature Range(°C)	Price Each			
										1	25	100	250
◆ 512-FAB3103UCX	FAB3103UCX	WLCSP-12	1-Ch. Mono	23	10	2.5 - 5.2	2.7	2.7	-40 to +85	.90	.75	.60	.45
◆ 512-FAB2210UCX	FAB2210UCX	WLCSP-20	2-Ch. Stereo	27	10	2.8 - 5.25	1.9	-	-40 to +85	1.05	.88	.70	.53
◆ 512-FAB1200UCX	FAB1200UCX	WLCSP-12	2-Ch. Stereo	72	1	2.5 - 5.5	4.4	2.2	-40 to +85	.72	.63	.608	.56

FAIRCHILD MICROPHONE PREAMPLIFIERS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	DC Supply Voltage (Max.) (V)	Supply Current (Typ.) (μA)	Input Voltage Range (Max.) (V)	Total Harmonic Distortion (Max.) (%)	Supply Voltage Range (Min./Max.) (V)	Operating Temperature Range(°C)	Price Each			
									1	25	100	250
◆ 512-FAN3850AUC16X	FAN3850AUC16X	WLCSP-6	4	470	4	0.20	1.64/3.63	-30 to +85	.75	.63	.50	.38
◆ 512-FAN3850AUC19X	FAN3850AUC19X	WLCSP-6	4	470	4	0.20	1.64/3.63	-30 to +85	.38	.368	.357	.346
◆ 512-FAN3850TUC15X35	FAN3850TUC15X35	WLCSP-6	4	420	3.63	0.10	1.64/3.63	-30 to +85	.52	.39	.30	.22



INFINEON BROADBAND AND DRIVER AMPLIFIERS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package	Max. Ratings		Recomm. Freq. Range (MHz)	Characteristics (T _A = 25°C)				Conditions			Price Each				
			V _D (V)	I _D (mA)		G _D (dB)	NF (dB)	Rev. Isolation (dB)	P _{-1dB} (in)	IP _{3(out)} (dBm)	f(MHz)	I _D (mA)	V _D (V)	1	10	100	500
◆ 726-BGA612H6327XT	BGA612H6327XT	SOT-343	2.8	80	DC-2800	17.5	2	20	7	17	1000	20	2.3	1.45	1.26	1.02	.628
◆ 726-BGA614H6327XT	BGA614H6327XT	SOT-343	2.9	80	DC-2400	19	2	21	12	25	1000	40	2.5	1.45	1.26	1.02	.628
◆ 726-BGA616H6327XT	BGA616H6327XT	SOT-343	4.5	80	DC-2700	19	2.5	22	18	29	1000	60	4.1	.97	.86	.702	.672

INFINEON LOW NOISE AMPLIFIERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package	Max. Ratings		Recomm. Freq. Range (MHz)	Characteristics (T _A = 25°C)				Conditions			Price Each			
			V _D (V)	I _D (mA)		G _p (dB)	NF(dB)	P _{-1dB} (in)	IP _{3(out)} (dBm)	f(MHz)	I _D (mA)	V _D (V)	1	10	100	500
Broadband/Wideband/FM+DVB Broadcast																
◆ 726-BGB707L7ESDE6327XT	BGB707L7ESDE6327XT	TSLP-7-1	4	20	70-10000	23	0.6	-9.5	-6	2400	6	3	1.08	.925	.755	.585
◆ 726-BGB717L7ESDE6327XT	BGB717L7ESDE6327XT	TSLP-7-1	4	25	70-1000	12	1	-5.5	-12.5	100	3	3	1.17	1.04	.832	.59
◆ 726-BGB741L7ESDE63XT	BGB741L7ESDE6327XT	TSLP-7-1	4	30	30-6000	17.5	1.3	-3.5	3	2400	6	3	.79	.693	.649	.52
GPS																
◆ 726-BGA428H6327XT	BGA428H6327XT	SOT-363-6	4	12	900-2500	20	1.4	-18	-9	1800	8.2	2.75	.97	.86	.702	.488
◆ 726-BGA615L7E6327XT	BGA615L7E6327XT	TSLP-7-1	3.5	10	1300-1700	18	0.9	-11	-1	1575	6	2.8	1.53	1.17	1.03	.676
WLAN/WiMax																
◆ 726-BGA711L7E6327XT	BGA711L7E6327XT	TSLP-7-1	3.6	10	1900-2200	17	1.1	-8	-2	2100	3.6	2.8	.88	.84	.81	.531
◆ 726-BGA758L7E6327XT	BGA758L7E6327XT	TSLP-7-8	4	12	5000-6000	11	1.1	-3	---	5500	7	3.3	1.75	1.50	1.22	.801