

Audio Power Amps

Mfr.'s Type			Description	Typical THD Rating (%)	THD Measurement Conditions	Supply Range	Single/Dual	No. of Leads	Temperature Range (°C)
TO-220	SOIC	PDIP							
—	—	LM380N	Audio Power Amplifier	0.500	P ₀ = 4 W @ V _S = 22 V	10.0 V to 22 V	Single	N14	0 to +70
—	—	LM384N	5 Watt Power Audio Amp	0.250	P ₀ = 4 W @ V _S = 22 V	12.0 V to 26 V	Single	N14	0 to +70
—	LM386M-1	LM386N-1	Low Voltage Audio Power Amp	0.250	P ₀ = 0.125 W @ V _S = 6 V	4.0 V to 18 V	Single	M8, N8	0 to +70
—		LM386N-3	Low Voltage Audio Power Amp	0.250	P ₀ = 0.125 W @ V _S = 6 V	4.0 V to 18 V	Single	N8	0 to +70
—		LM386N-4	Low Voltage Audio Power Amp	0.250	P ₀ = 0.125 W @ V _S = 6 V	4.0 V to 18 V	Single	N8	0 to +70
LM1875T		—	20 Watt Power Audio Amp	0.020	P ₀ = 20 W @ V _S = ±25 V	16.0 V to 60 V	Single	T5	0 to +70
—	—	LM1877N-9	Dual Power Audio Amp	0.055	P ₀ = 1 W @ V _S = 14 V	6.0 V to 24 V	Dual	M14, N14	0 to +70
LM3875T	—	—	40 Watt Power Audio Amp	0.060	P ₀ = 40 W @ V _S = ±35 V	20.0 V to 84 V	Single	T11	0 to +70
LM3876T	—	—	40 Watt Power Audio Amp (with mute)	0.060	P ₀ = 40 W @ V _S = ±35 V	20.0 V to 84 V	Single	T11	0 to +70
LM3886T	—	—	60 Watt Power Audio Amp (with mute)	0.030	P ₀ = 60 W @ V _S = ±28V	20.0 V to 84 V	Single	T11	0 to +70

Audio Control/Noise Reduction/Pre-Amps

Mfr.'s Type	Description	V _{CC} (V)	S/N (dB)	THD (%)	Separation (dB)	No. of Leads	Temperature Range (°C)
PDIP							
LM1894N	Dynamic Noise Reduction System (DNRRM) (Licensed under U.S. Patent 3678416 and 3753159) Digital Controlled Stereo Tone/Volume Control Digital Controlled Graphic Equalizer	4.5 to 18	—	—	—	N14	0 to +70
LMC1982CIN		6.0 to 12	95	0.0080	80	N28	−40 to +85
LMC835N		5.0 to 16	114	0.0015	—	N28	−40 to +85

Mfr.'s Type		Description	Input Referred Noise Voltage (nV/√Hz)	THD (%)	GBW (MHz)	Supply Range (V)	No. of Leads	Temperature Range (°C)
SOIC	PDIP							
—	LF347BN	Wide Bandwidth JFET	20.0	0.02	4	±18	N14	0 to +70
LF353M	LF353N	Dual LF351	16.0	0.02	4	±18	H8, M14, N14	0 to +70
—	LF442CN	Dual Low Power JFET	35.0	0.01	1	±18	N8	0 to +70
—	LF444CN	Low Power JFET Quad	35.0	0.02	1	±18	N14	0 to +70
LM833M	LM833N	Dual Audio Amplifier	4.5	0.00	15	±18	M8, N8	−40 to +85

Video Circuits

Mfr.'s Type		Description	V _{CC} (V)	No. of Leads	Temperature Range (°C)
SOIC	PDIP				
LM1881M	LM1881N	Video Sync Separator	5 to 13	M8, N8	0 to +70

Analog to Digital Converters

8-Bit A/D Converters

Mfr.'s Type			Description	V _{CC} (V)	Power Consumption (mW)	Accuracy (LSB)	Conversion Time (μs)	No. of Leads	Temperature Range (°C)
CERDIP	SOIC	PDIP							
—	—	ADC0801LCN	8-Bit μP Compatible ADC with Differential Input	5	13	1/4	110.000	N20	0 to +70
—	—	ADC0803LCN	8-Bit μP Compatible ADC with Differential Input	5	13	1/2	110.000	N20	0 to +70
ADC0804LCJ	ADC0804LCWCM	ADC0804LCN	8-Bit μP Compatible ADC with Differential Input	5	13	1/2	110.000	J20, M20, N20	0 to +70
—		ADC0808CCN	8-Bit μP Compatible ADC with 8-Channel Multiplexer	5	15	1/2	100.000	N28, V28	0 to +70
—		ADC0809CCN	8-Bit μP Convertible ADC with 8-Channel Multiplexer	5	15	1	100.000	N28, V28	0 to +70
—		ADC0820CCN	8-Bit High Speed μP Compatible ADC with Track/Hold	5	75	1	1.200	N20	0 to +70
—		ADC0831CCN	8-Bit Serial I/O ADC	5	15	1	32.000	M14, N8	0 to +70
—		ADC0834CCN	8-Bit Serial I/O ADC with 4-Channel MUX	5	15	1	32.000	N14	0 to +70
—		ADC0839CCN	8-Bit Serial I/O ADC with 8-Channel MUX	5	15	1	32.000	M20, N20	0 to +70
—		ADC0844CCN	8-Bit μP Compatible ADC with 4-Channel MUX	5	15	1	40.000	J20, N20	0 to +70
—		ADC0848CCN	8-Bit μP Compatible ADC with 8-Channel MUX	5	15	1	40.000	N24	0 to +70
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10-Bit A/D Converters

ADC1001CCJ-1	—	—	10-Bit μP Compatible ADC	5	32	1	200.000	J20	−40 to +85
ADC1005CCJ-1	—	—	10-Bit μP Compatible ADC	5	130	1	50.000	J20	−40 to +85
—	ADC10158CIWCM	ADC10158CIN	10-Bit ADC with 8-Channel MUX, Track/Hold and Ref.	5, ±5	33*	0.6	4.400	M24, N24	−20 to +85

*For unipolar operation.

Digital to Analog Converters

Mfr.'s Type		Description	V _{CC} (V)	Power Consumption (mW)	Linearity (Max.) (%)	Settling Time (ns)	No. of Leads	Temperature Range (°C)
SOIC	PDIP							
—	DAC0800LCN	8-Bit DAC	±(5 to 15)	500	0.19	100.0	J16, N16	0 to +70
—	DAC0808LCN	8-Bit DAC	±(5 to 15)	33	0.19	150.0	N16	0 to +70
—	DAC0830LCN	8-Bit μP Compatible, Double-Buffered DAC	5 to 15	20	0.05	1.0 μs	J20, N20	0 to +70
DAC0832LCWCM	DAC0832LCN	8-Bit μP Compatible-Buffered DAC	5 to 15	20	0.20	1.0 μs	J20, M20, N20	0 to +70