



LM386

LINEAR INTEGRATED CIRCUIT

LOW VOLTAGE AUDIO POWER AMPLIFIER

DESCRIPTION

The UTC **LM386** is a power amplifier, designed for use in low voltage consumer applications. The gain is internally set to 20 to keep external part count low, but the addition of an external resistor and capacitor between pin 1 and pin 8 will increase the gain to any value up from 20 to 200.

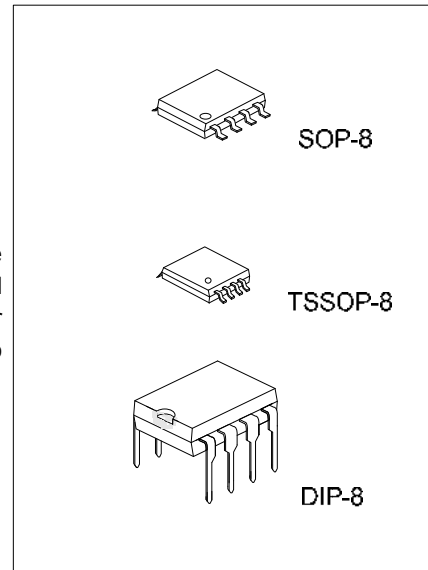
The inputs are ground referenced while the output automatically biases to one-half the supply voltage. The quiescent power drain is only 24 milliwatts when operating from a 6 voltage supply, making the LM386 ideal for battery operation.

FEATURES

- *Battery Operation
- *Minimum External Parts
- *Wide Supply Voltage Range: 4V~12V
- *Low Quiescent Current Drain:4mA
- *Voltage Gains:20~200
- *Ground Referenced Input
- *Self-Centering Output Quiescent Voltage
- *Low Distortion:0.2%($A_v = 20, V_s = 6V, R_L = 8\Omega, P_o = 125mW, f = 1kHz$)

ORDERING INFORMATION

Ordering Number			Package	Packing
Normal	Lead Free	Halogen Free		
LM386-S08-R	LM386L-S08-R	LM386G-S08-R	SOP-8	Tape Reel
LM386-S08-T	LM386L-S08-T	LM386G-S08-T	SOP-8	Tube
LM386-P08-R	LM386L-P08-R	LM386G-P08-R	TSSOP-8	Tape Reel
LM386-P08-T	LM386L-P08-T	LM386G-P08-T	TSSOP-8	Tube
LM386-D08-T	LM386L-D08-T	LM386G-D08-T	DIP-8	Tube



<p>LM386G-D08-T</p> <p>(1)Packing Type (2)Package Type (3)Halogen Free</p>	<p>(1) R: Tape Reel, T: Tube (2) S08: SOP-8, P08: TSSOP-8, D08: DIP-8 (3) G: Halogen Free, L: Lead Free, Blank: Pb/Sn</p>
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