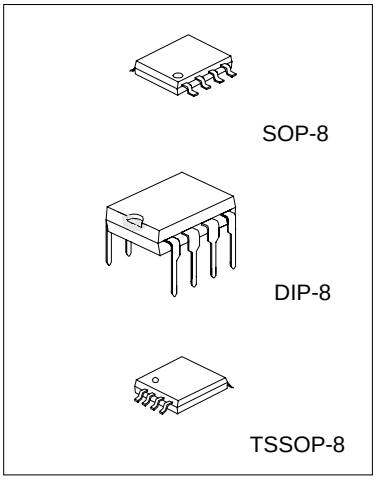
UTC MC3419 LINEAR INTEGRATED CIRCUIT

LOW POWER AUDIO AMPLIFIER



*Pb-free plating product number: MC3419L

DESCRIPTION

The UTC MC3419 is a low power audio amplifier integrated circuit, intended for the telephone applications, such as in speakerphones. It provides differential speaker outputs to maximize output swing at low supply voltages. Coupling capacitor to the speaker is not required. Open loop gain is 80dB, and the closed loop gain is set with two external resistors. A chips disable pin permits powering down and/or muting the input signal.

FEATURES

*Wide operating supply voltage: Vcc=2V~16V
*Low quiescent supply current (Icc=2.7mA, typ)
*Medium output power (Po=250mW at Vcc=6V, R_L=32ohm, THD=10%)
*Load impedance range (8 to 100ohm)
*Low distortion
*Mute function (Icc=65μA, typ)
*Minimum number of external parts required

BLOCK DIAGRAM