C-MOS LOGIC INVERTER AMPLIFIER CHARACTERISTICS

INPUT 1.0uF 47K 1 2 OUTPUT

CURRENT DRAIN @ 3.3V = 3uA
CURRENT DRAIN @ 3.6V = 46uA
CURRENT DRAIN @ 5V = 480uA
CURRENT DRAIN @ 6V = 1.07mA
CURRENT DRAIN @ 9V = 3.8mA
CURRENT DRAIN @ 12V = 7.8mA
CURRENT DRAIN @ 15V = 12mA

VOLTAGE GAIN @ 3V = 25
VOLTAGE GAIN @ 3.6V = 55
VOLTAGE GAIN @ 5V = 50
VOLTAGE GAIN @ 6V = 45
VOLTAGE GAIN @ 9V = 20
VOLTAGE GAIN @ 12V = 18
VOLTAGE GAIN @ 15V = 15

MAX FREQ. @ 3.3V = 30KHz
MAX FREQ. @ 3.6V = 200KHz
MAX FREQ. @ 5V = 190KHz
MAX FREQ. @ 6V = 52KHz
MAX FREQ. @ 9V = 2Mhz
MAX FREQ. @ 12V = 3MHz
MAX FREQ. @ 15V = 3MHz

NOTE: DEVICE MAY BE USEFUL BEYOND MAX FREQ LISTED
GAIN MEASURED WITH NO OUTPUT LOAD RESISTOR
LOAD RESISTOR AT OUTPUT WILL DECREASE GAIN