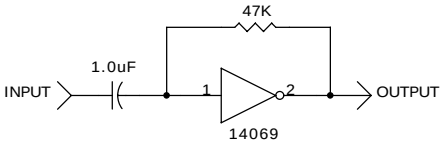
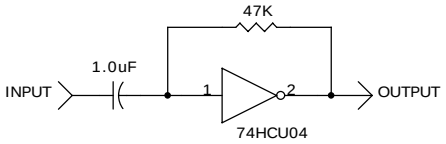


CURRENT DRAIN @3V = 3uA
CURRENT DRAIN @3.6V = 46uA
CURRENT DRAIN @5V = 480uA
CURRENT DRAIN @6V = 1.07mA
CURRENT DRAIN @9V = 3.8mA
CURRENT DRAIN @12V = 7.8mA
CURRENT DRAIN @15V = 12mA

VOLTAGE GAIN @3V = 25
VOLTAGE GAIN @3.6V = 60
VOLTAGE GAIN @5V = 55
VOLTAGE GAIN @6V = 45
VOLTAGE GAIN @9V = 30
VOLTAGE GAIN @12V = 25
VOLTAGE GAIN @15V = 20

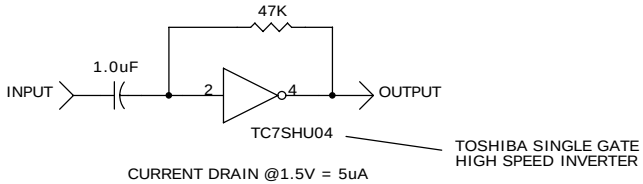
MAX FREQ. @3V = 30KHz
MAX FREQ. @3.6V = 200KHz
MAX FREQ. @5V = 400KHz
MAX FREQ. @6V = 1MHz
MAX FREQ. @9V = 2MHz
MAX FREQ. @12V = 3MHz
MAX FREQ. @15V = 3MHz



CURRENT DRAIN @1.5V = 40uA
CURRENT DRAIN @3V = 4.7mA
CURRENT DRAIN @3.5V = 8.5mA
CURRENT DRAIN @4.5V = 15.5mA
CURRENT DRAIN @5V = 20mA
CURRENT DRAIN @6V = 30mA

VOLTAGE GAIN @1.5V = 55
VOLTAGE GAIN @3V = 25
VOLTAGE GAIN @3.5V = 20
VOLTAGE GAIN @4.5V = 18
VOLTAGE GAIN @5V = 18
VOLTAGE GAIN @6V = 18

MAX FREQ. @1.5V = 400KHz
MAX FREQ. @3V = 4MHz
MAX FREQ. @3.5V = 5MHz
MAX FREQ. @4.5V = 6MHz
MAX FREQ. @5V = 6MHz
MAX FREQ. @6V = 6MHz



CURRENT DRAIN @1.5V = 5uA
CURRENT DRAIN @3V = 3mA
CURRENT DRAIN @3.5V = 4mA
CURRENT DRAIN @4.5V = 10mA
CURRENT DRAIN @5V = 13mA
CURRENT DRAIN @6V = 20mA

VOLTAGE GAIN @1.5V = WILL NOT OPERATE
VOLTAGE GAIN @3V = 50
VOLTAGE GAIN @3.5V = 40
VOLTAGE GAIN @4.5V = 40
VOLTAGE GAIN @5V = 40
VOLTAGE GAIN @6V = 40

MAX FREQ. @1.5V = WILL NOT OPERATE
MAX FREQ. @3V = 4MHz
MAX FREQ. @3.5V = 5MHz
MAX FREQ. @4.5V = 20MHz
MAX FREQ. @5V = 50MHz
MAX FREQ. @6V = 50MHz

NOTE, DEVICE MAY BE USEFUL BEYOND MAX FREQ LISTED
GAIN MEASURED WITH NO OUTPUT LOAD RESISTOR

LOAD RESISTOR AT OUTPUT WILL DECREASE GAIN

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DRAWN BY: DAVE JOHNSON

C-MOS LOGIC INVERTER AMPLIFIER CHARACTERISTICS

DAVID JOHNSON AND ASSOCIATES		
Title: C-MOS LOGIC INVERTER VOLTAGE AMPLIFIERS		
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Date: Tuesday, July 11, 2006	Sheet 1 of 1	