

# **SPECIFICATIONS**

### **POWER INPUT:**

120 VOLT AC 50/60 HZ FUSED (2A 250V, 5x20mm GLASS, FAST ACTING) LIGHTED POWER ON INDICATOR

## DC POWER SOURCES:

+5 VOLTS ±3% @ 1 AMP -5 VOLTS ±3% @ 1 AMP

+12 VOLTS ±3% @ 1 AMP -12 VOLTS ±3% @ 1 AMP

0 TO >+18 VOLTS VARIABLE @ 1 AMP 0 TO >-18 VOLTS VARIABLE @ 1 AMP (ISOLATED GROUND FOR VARIABLE SUPPLIES)

0.1% LINE REGULATION 0.1% LOAD REGULATION

SHORT CIRCUIT AND THERMAL OVERLOAD PROTECTED

### **AC POWER SOURCE:**

15 VOLTS CENTER TAPPED @ 500 MILLIAMPS

### **PULSE GENERATOR:**

CONTINOUSLY VARIABLE IN FIVE DECADE RANGES: PULSE WIDTH: ≤ 100nSEC TO ≥10mSEC PULSE REPETITION: ≤ 1uSEC TO ≥ 100mSEC

**OVERLAP INDICATOR** 

CAPABLE OF 100% DUTY CYCLE

PULSE POSITION AND WIDTH MODULATION INPUTS

TTL COMPATIBLE GATE AND TRIGGER INPUTS

RISE AND FALL TIMES LESS THAN 10nSEC

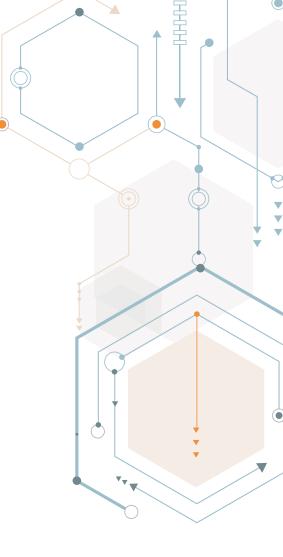
# **SWEEP RAMP GENERATOR:**

ADJUSTABLE PERIOD - ≤ 1mSEC TO ≥ 1SEC

ADJUSTABLE 0 TO 3.7 VOLT OUTPUT AMPLITUDE

NEGATIVE LINEAR RAMP OUTPUT FOR LINEAR SWEEP

SEPARATE TTL COMPATIBLE SYNC OUTPUT





### **FUNCTION GENERATOR:**

SINE, SQUARE, OR TRIANGLE WAVE OUTPUT

0 TO 18 VPP OUTPUT AMPLITUDE ~500 OHM OUTPUT IMPEDANCE SHORT CIRCUIT PROTECTED

DC OFFSET ADJUSTABLE FROM 0 TO ±10 VOLTS

SEPRATE TTL/HC COMPATIBLE CLOCK OUTPUT (20mA OUTPUT AT 0.33VDC (LOW) OR 4.3VDC (HIGH) RISE/FALL TIME LESS THAN 20nSEC

CONTINUOUSLY VARIABLE FREQUENCY FROM 1HZ TO 1MHZ IN SIX DECADE RANGES

(NOTE: DUE TO LIMITATIONS OF THE FUNCTION GENERATOR CHIP WAVEFORM VARIATIONS, OR ROLL OFF, MAY BE EXPERIENCED AT THE MAXIMUM RANGE.)

DISTORTION: SINE WAVE ≤ 2% TO ≥ 100KHZ

TRIANGLE WAVE ≤ 2% TO ≥ 100KHZ

RISE & FALL: SQUARE WAVE ≤ 20nSEC

FREQUENCY MODULATION INPUT
AMPLITUDE MODULATION INPUT
BURST INPUT
SWEEP INPUT CAPABLE OF 1000:1 SWEEP
(START FREQUENCY DETERMINED BY SWEEP RAMP AMPLITUDE
STOP FREQUENCY DETERMINED BY GENERATOR FREQUENCY SETTING)

#### SPEAKER:

2-1/4" 8Ω 0.25W

## **POTENTIOMETERS:**

UNDEDICATED  $1K\Omega$  AND  $100K\Omega$  LINEAR TAPER 20% 0.125W

## **INDICATORS:**

EIGHT BUFFERED LED (CMOS/TTL COMPATABLE)

# **SWITCHES:**

EIGHT LEVEL - 0V OR +5V UNBUFFERED TOGGLE SWITCHES TWO UNDEDICATED SPDT TOGGLE SWITCHES [ON – NONE – ON] TWO UNDEDICATED SPDT MOMEMTARY [ON – NONE – (ON)]

# **PULSERS:**

TWO TTL LEVEL DEBOUNCED PULSERS WITH COMPLEMENTARY OUTPUTS

### **INTERFACE:**

DB25 MALE – DB9 MALE – DB25 FEMALE
DB25 FEMALE – DB9 FEMALE – DB25 FEMALE
(DB25 TO DB25 PINNED 1 TO 1 WITH DB9 COMMON TO FIRST 9)

THREE BNC TO TIE-POINT BLOCK

