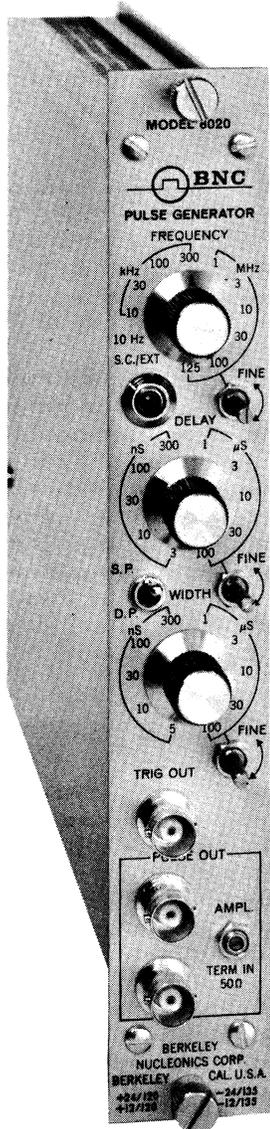


SPECIFICATIONS

SECTION 1



REPETITION RATE: a) 0.5 Hz-10 Hz, continuously variable,
3 kHz-125 MHz continuously variable.

b) Ext Trigger, 0-125 MHz.

c) Single Cycle.

DELAY: 0 to 100 μ sec, continuously variable.

WIDTH: 3 nsec to 100 μ sec, continuously variable.

JITTER: Rep rate, delay or width less than 50 psec or
0.1%, whichever is greater.

DOUBLE PULSE: 6 nsec min. separation. Pulse spacing
set by delay controls.

RESOLUTION OF FINE CONTROLS: Less than 0.4%.

TEMPERATURE COEFFICIENT OF FREQUENCY, DELAY OR
WIDTH: Less than 0.1%/°C.

DUTY FACTOR: Greater than 50%.

OUTPUT PULSES: Two parallel output connectors providing
greater than -32 mA. When terminated in 50Ω , there
are two -0.8 V pulses. (Standard NIM fast logic level.)

RISE TIME: 1 nsec.

FALL TIME: 1.3 nsec.

AMPLITUDE ADJUSTMENT: 10:1 range (from -32 mA to
 -3.2 mA), continuously variable.

OUTPUT PULSE ABERRATIONS: Baseline or pulse top, less
than 5%.

TRIGGER OUT: -0.8 V, 50Ω , 1 nsec rise time. (Two out-
puts on front and rear panel.)

EXTERNAL TRIGGER: -0.6 V, 50Ω . (Rear panel.)

EXT GATE: NIM logic. (-0.6 V to gate on, at rear panel.)
Synchronous. Rear panel slide switch provides gated or
ungated operation.

AMBIENT TEMPERATURE: 55°C max.

PROTECTION: Open and short circuit proof.

POWER REQUIREMENTS: $+24$ V, 120 mA, $+12$ V, 120
mA, -24 V, 135 mA, -12 V, 135 mA.

MECHANICAL: Single width AEC module, 1.35" wide x 8.70"
high in accordance with TID-20893 (Rev. 2).

WEIGHT: $2\frac{1}{2}$ lbs., net, 7 lbs. shipping.