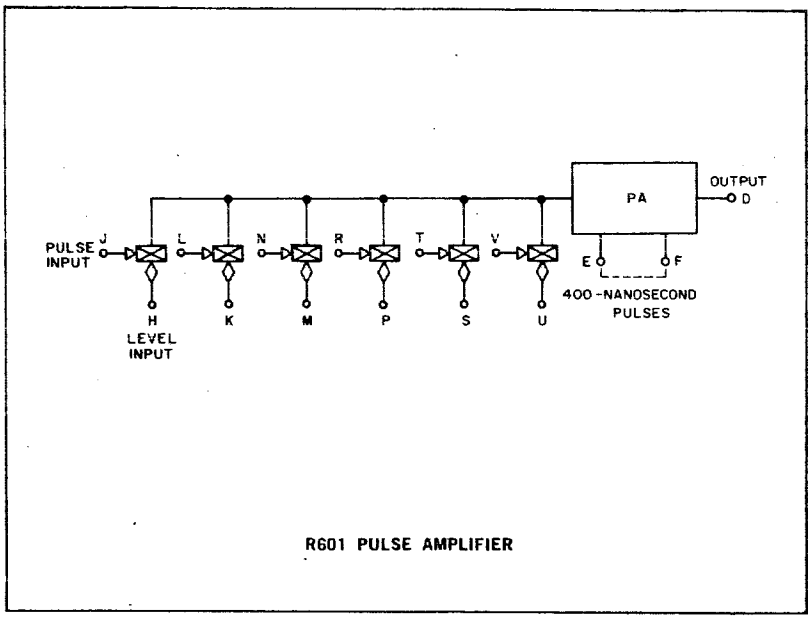
PULSE AMPLIFIER
TYPE R601

R
SERIES



R601 PULSE AMPLIFIER

The R601 is a pulse amplifier that standardizes pulses in amplitude and width. Outputs may be either standard 100- or 400-nsec pulses (—3v to ground). It has six DCD gates so that inputs from as many as six sources may be mixed. Input pulses can occur at any frequency up to 2 mc for 100-nsec pulse outputs and up to 1 mc for 400-nsec outputs. Delay through the pulse amplifier is approximately 50 nsec.

DCD GATE INPUTS: Level — Standard levels of —3v and ground. A DCD gate is enabled by a ground level and disabled by a —3v level. The conditioning level must be present for at least 400 nsec before the gate is pulsed. The level input represents 2 ma of load at ground. **Pulse** — 40-nsec or longer pulses, —3v to ground, at any frequency up to 2 mc. It can also be driven by positive-going level changes (—3v to ground) with rise times of 60 nsec max, and duration of 40 nsec min. The input must have been at —3v for at least 400 nsec prior to operation of any input. The pulse input represents 3 ma of load at ground.

OUTPUT: With terminals E and F connected together, the output is a standard 400-nsec pulse (—3v to ground). With E and F open, the output is a standard 100-nsec pulse, —3v to ground. The output (for either 100- or 400-nsec pulses) can drive 70 ma of external load at ground. The internal load is 3 ma.

Pulse amplifier outputs may be paralleled for a logical OR.

Pulse lines and ground lines should be kept as short as possible.

POWER: +10 v(A)/1.1 ma; —15 v(B)/33 ma.

R601 — $25.00