



## SECTION 1 SPECIFICATIONS

FREQUENCY	<ul style="list-style-type: none"> <li>a) 1 Hz to 50 MHz in 8 ranges, continuously adjustable.</li> <li>b) External trigger, 0 Hz to 50 MHz.</li> <li>c) Single cycle by front panel pushbutton.</li> </ul>
DELAY	Less than 25 ns to 1 s in 9 ranges, continuously adjustable.
WIDTH	Less than 20 ns to 1 s in 9 ranges, continuously adjustable.
POSITIVE OUTPUT	<ul style="list-style-type: none"> <li>a) Normal or complement; switch selectable.</li> <li>b) Amplitude: 500 mV to 5 V continuously adjustable into 50 <math>\Omega</math> (TTL logic).</li> <li>c) Rise and fall times: 5 ns.</li> </ul>
NEGATIVE OUTPUT	<ul style="list-style-type: none"> <li>a) Amplitude: fixed -0.8 V pulse (NIM logic) into 50 <math>\Omega</math>, or -1.5 V with base line offset of -0.5 V into 50 <math>\Omega</math> (ECL logic); switch selectable.</li> <li>b) Rise and fall times: 3.5 ns.</li> </ul>

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- SPECIFICATIONS -

DUTY FACTOR	Greater than 50% each output; in complementary pulse mode, duty factors larger than 90% may be attained.
TRIGGER OUT	Positive 1.1V square wave into 50 $\Omega$ .
EXTERNAL TRIGGER	Requires positive 1 V, with rate of rise greater than 3 V/ $\mu$ s.
WAVEFORM DISTORTION	Less than 5% at full amplitude.
EXTERNAL GATE	Synchronous or asynchronous; switch selectable. Requires a positive 1.5 V signal.
SINGLE/DOUBLE PULSE	Switch selectable, minimum double pulse spacing of 20 ns. Pulse separation set by delay controls.
JITTER	Repetition rate, delay, or width, 0.1% +50 ps.
MECHANICAL	Double width AEC module, 2.70" wide by 8.70" high in accordance with TID-20893 (Rev. 3).
WEIGHT	3-1/2 lbs, net; 7 lbs, shipping.
POWER REQUIREMENTS	a) +12 V at 380 mA, -12 V at 100 mA, OR b) +12 V at 80 mA, -12 V at 100 mA, +6 V at 300 mA; Selectable internally. Easily changed by removing side cover and throwing slide switch into either position.