

SERIES EL521 ECL (10K COMPATIBLE) DUAL PULSE GENERATOR MODULES

- 12 Pin DIP Package • Dual Units with Separate Trigger Inputs and Outputs
- Pulse-Width Stable and Precise • ECL Input and Output Levels
- 70 ECL DC Fan-out Capacity

Specifications:

- Supply Voltage : -5.2VDC to V_{ee}
- Logic 1 Input Voltage : $-.98\text{v}$ Min
- Logic 1 Input Current : $265\mu\text{A}$ Max
- Logic 0 Input Voltage : -1.63v Max
- Logic 0 Input Current : $.5\mu\text{A}$ Min
- Logic 1 Output Voltage : $-.96\text{v}$ Min
- Logic 0 Output Voltage : -1.65v Max
- Storage Temperature : -55°C to $+125^\circ\text{C}$
- Operating Temperature : 0°C to $+85^\circ\text{C}$

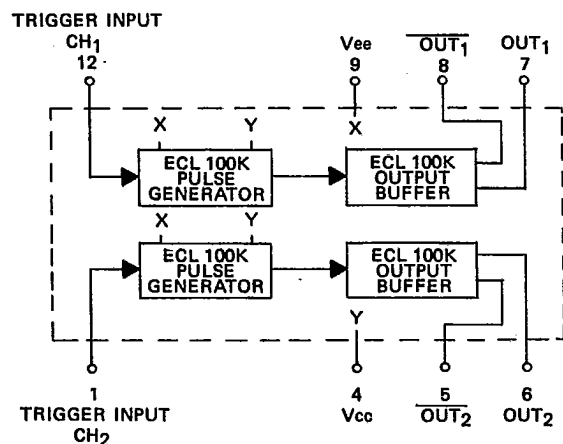
Test Conditions:

- Input Pulse-Width : 10NSEC
- Input Pulse Rise Time : 2NSEC Max
- Input Pulse Voltage : 1.0v (-0.75vH to -1.75vL)
- Vee Supply Voltage : -5.2VDC

Electrical Specifications at 25°C

Part Number	Pulse Width (NS) (1)	Maximum Pulse Rate (MHZ)	Rise & Fall Time (NS) Max (2)
EL521-2	$2\pm.2$	200	3
EL521-3	$3\pm.3$	133	3
EL521-4	$4\pm.4$	100	3
EL521-5	$5\pm.5$	80	3
EL521-6	$6\pm.6$	66	3
EL521-7	$7\pm.7$	57	3
EL521-8	$8\pm.8$	50	3
EL521-9	$9\pm.9$	44	3
EL521-10	10 ± 1	40	3
EL521-12	12 ± 1	33	3
EL521-14	14 ± 1	28	3
EL521-16	16 ± 1	25	3
EL521-18	18 ± 1.5	22	3
EL521-20	20 ± 2	20	3
EL521-25	25 ± 2	16	3
EL521-30	30 ± 2	13	3
EL521-35	35 ± 2	11	3
EL521-40	40 ± 2	10	3
EL521-45	45 ± 2	9	3
EL521-50	50 ± 2	8	3

Note: (1) Measured at -1.3v level, either leading or trailing edge.
 (2) Measured from 20% to 80%.



SCHEMATIC

Solderable Leads (8)
 Dia. $.020$
 $.51$

