

SERIES EL520 ECL (10K COMPATIBLE) PULSE GENERATOR MODULES

T-51-19

- 16 Pin DIP Package • Pulse Width Stable and Precise
- ECL Input and Output Levels • 70 ECL DC Fan-out Capacity

Specifications:

- Supply Voltage : -5.2VDC to Vee
- 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 : -30°C to $+85^\circ\text{C}$

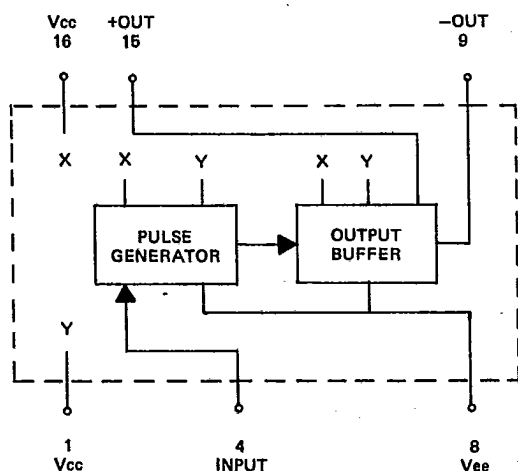
Test Conditions:

- 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)
EL520-5	5 ± 1	100	3
EL520-10	10 ± 1	50	3
EL520-15	15 ± 1	33	3
EL520-20	20 ± 2	25	3
EL520-25	25 ± 2	20	3
EL520-30	30 ± 2	16	3
EL520-35	35 ± 2	14	3
EL520-40	40 ± 2	12	3
EL520-45	45 ± 2	11	3
EL520-50	50 ± 2	10	3
EL520-60	60 ± 3	8.4	3
EL520-70	70 ± 3	7.1	3
EL520-80	80 ± 3	6.3	3
EL520-90	90 ± 3	5.5	3
EL520-100	100 ± 3	5.0	3

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



SCHEMATIC

