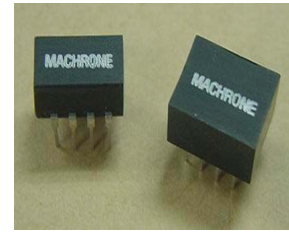


42A/52A – SERIES

3 INDEPENDENT DELAYS TTL ACTIVE DELAY LINE

FEATURES

- 14-pin package.
- 3 independent delays.
- TTL schottky interfaced.
- Delay times from 5-500ns.



ELECTRICAL CHARACTERISTICS

IIH Logic"1" Input Current	: 50uA Max
IIL Logic"0" Input Current	: -2mA Max
VOH Logic"1" Output Voltage	: 2.7V Min
VOL Logic"0" Output Voltage	: 0.5V Max
VIH Logic"1" Input Voltage	: 2.0V Min
VIL Logic"0" Input Voltage	: 0.8V Max
TA Operating Temperature	: 0°C to 70°C
NH Fanout"1" Output	: 20 TTL Load
NL Fanout"0" Output	: 10 TTL Load
Supply Current	: 115mA Typ.

INPUT PULSE TEST CONDITION

Pulse Voltage	: 3.2V
Pulse Width	: 50ns Min. or 100%Td
Duty Cycle	: <50%
Pulse Rise Time	: 2nS (0.75 to 2.4V)
Time Delay Measured	: @1.5V-Iecel
Supply Voltage Vcc	: 5.0±0.25Vdc

ELECTRICAL SPECIFICATIONS

Part Number	Delay Time Td (ns)	Rise Time Tr (ns) Max
42A/52A-005	5±2	4
42A/52A-010	10±2	4
42A/52A-015	15±2	4
42A/52A-020	20±2	4
42A/52A-025	25±5%	4
42A/52A-050	50±5%	4
42A/52A-075	75±5%	4
42A/52A-100	100±5%	4
42A/52A-250	250±5%	4
42A/52A-500	500±5%	4

PIN CONNECTIONS

