ACTIVE (DIGITAL) DELAY LINES
SERIES A01 - SINGLE DELAY
SERIES A03 - TRIPLE DELAY

- Economical cost, prompt delivery!
- Wide varieties of values, 10nS to 500nS
- TTL compatible
- Operating temperature: 0°C to 70°C
- New! Single output SIP delay line now available Consult factory for data sheet on SA01 series.

OPTIONS
- Non-standard delay times
- ECL and High Speed CMOS available
- Increased operating temperature range
- Tighter tolerances, faster rise times
- Trailing edge measurement
- Low power design
- Military screening per MIL-D-83532

RCD's digital delay lines have been designed to provide precise fixed delays with all the necessary drive and pick-off circuitry. All inputs and outputs are schottky-type and require no additional components to achieve specified delays. Encapsulated construction utilizes a molded DIP case designed to meet or exceed all applicable environmental requirements of Mil-D-23859. Type AO1 features a single fixed delay time, whereas Type AO3 features three isolated delays.

TYPE AO1 Single Delay Line

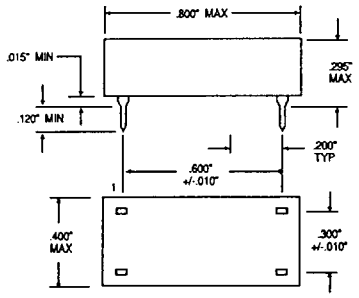
Delay Time (nSec)	Rise Time (Max)
10±1.5	4nS
20±1.5	4nS
30±2	4nS
40±2	4nS
50±2.5	4nS
60±3	4nS
70±3.5	4nS
80±4	4nS
90±4.5	4nS
100±5	4nS
125±6.2	4nS
150±7.5	4nS
175±8.7	4nS
200±10	4nS
250±12.5	4nS
300±15	4nS
350±17.5	4nS
400±20	4nS
450±22.5	5nS
500±25	5nS

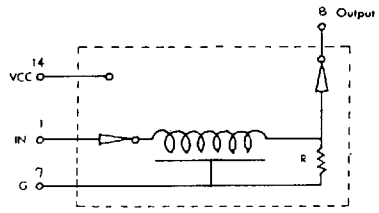
TYPE AO3 Triple Delay Line

Delay Time (nSec)*	Rise Time (Max)
10±1.5	4nS
20±1.5	4nS
30±2	4nS
40±2	4nS
50±2.5	4nS
60±3	4nS
70±3.5	4nS
80±4	4nS
90±4.5	4nS
100±5	4nS

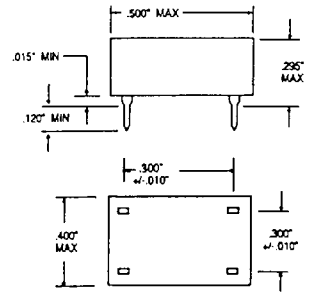
* Available up to 250nS on special order.

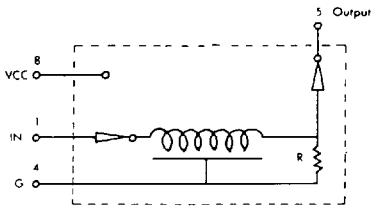
TYPE AO1 - STANDARD
(Also available in SIP package)



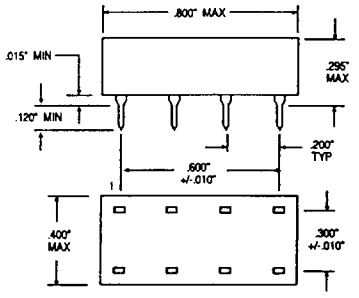


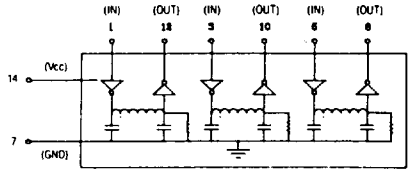
TYPE AO1S - MINIATURE
(Also available in a molded auto-insertable design)





TYPE AO3 TRIPLE DELAY
(Also available in double and quadruple delays)





TEST CONDITIONS @25°C
1) Input test pulse voltage: 3.2V
2) Input pulse width: 3× the total delay
3) Input rise time: 2.0nSec
4) Delay measured at 1.5V on leading edge only with no loads on output
5) Rise time measured from 0.75V to 2.4V
6) Pulse period: 3× pulse width minimum

HOW TO ORDER

A01 100nS

RCD Type (A01, A01S, A03)
Delay Time

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