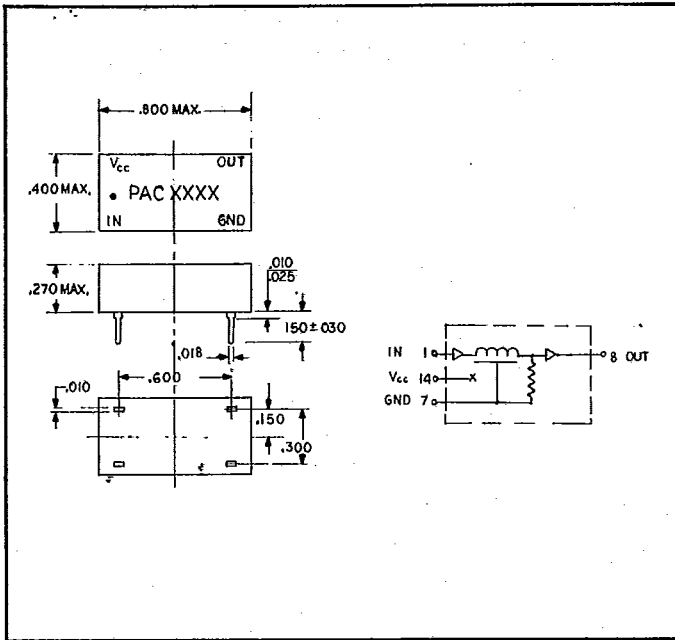


DELAY MODULES, TTL, SINGLE DELAY

14 PIN 1 OUTPUT



- TTL and DTL compatible
- No external components required
- Low profile
- Fits standard 14 pin DIP socket

LOW POWER VERSION ALSO AVAILABLE

Part Number	Total Delay ^{1,3} ns	Rise Time ² ns
4102	10	4
4150	17	4
4103	20	4
4151	21	4
4104	22	4
4119	25	4
4105	30	4
4106	40	4
4107	50	4
4108	60	4
4109	70	4
4110	80	4
4111	90	4
4112	100	4

1. MEASURED AT 1.5V LEVEL ON THE LEADING EDGE
 2. MEASURED FROM 0.75V TO 2.4V
 3. TOLERANCE ±5% or ± 2ns which ever is greater

OPERATING SPECIFICATIONS

Vcc supply voltage: 4.75 to 5.25 VDC
 Logic 1 input:
 Voltage 2V min; 5.5V max.
 Current 2.4V = 50ua max.
 5.5V = 1ma max.
 Logic 0 input:
 Voltage .8V max.
 Current - 2ma max.
 Logic 1 Voltage out: 2.4V min.
 Logic 0 Voltage out: .4V max.
 Operating temperature range: 0° to 70°C
 Storage temperature: -55 to +125°C.

TEST CONDITIONS

Input pulse width: Minimum of 50% of Delay
 Input pulse rise time: 3ns
 Input pulse voltage: 3.2V
 Vcc supply voltage: 5.0 VDC
 Icc supply current: 40 ma typ.
 All measurements made at 25°C.

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