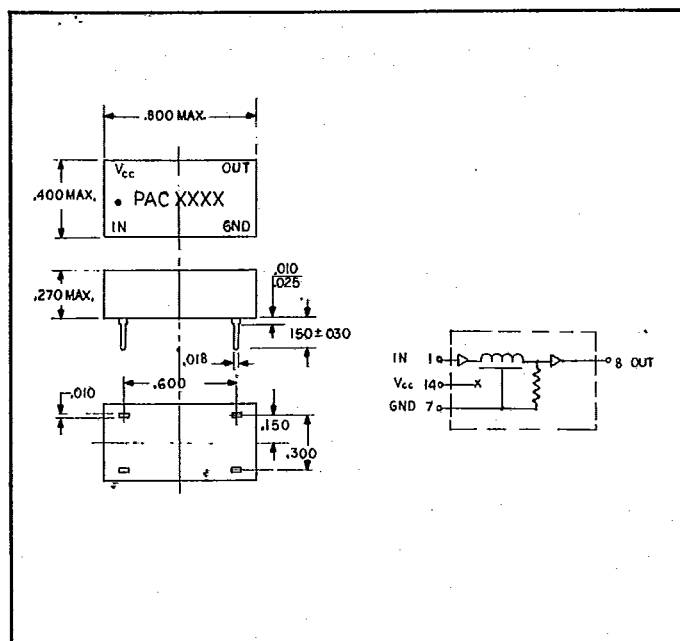


DELAY MODULES, TTL, SINGLE DELAY

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 $\pm 5\%$ or ± 2 ns 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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