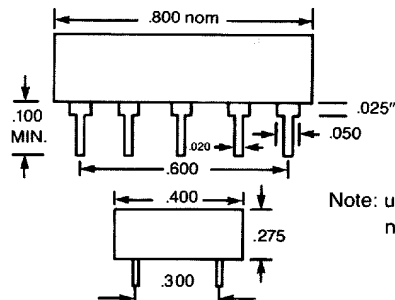
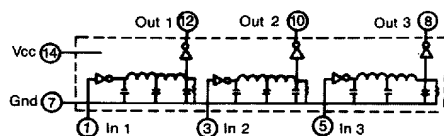
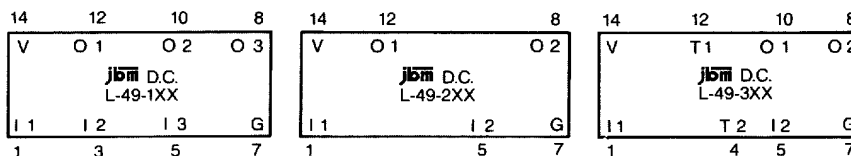


T-47-13

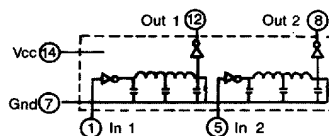
Delay Range 5-500 nsec
STYLE L-49 (14-pin DIP)
 untapped, multi delay



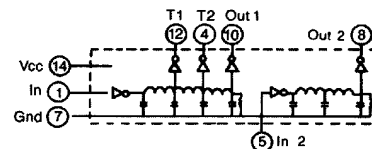
Note: unnumbered pins will not appear on package.



Leading Edges @ 1.5V



Leading And Trailing Edges



Leading Edges

INPUT CONDITIONS

(See Page 2)

Operating Temp 0°C to +70°C
 Storage Temp -55°C to +125°C
 (All lines internally terminated)

I_{IH} Logic "1" Input Current 50 μ A Max.

I_{IL} Logic "0" Input Current -2mA Max.

V_{OH} Logic "1" Voltage Out 2.7V Min.

V_{OL} Logic "0" Voltage Out 0.5V Max.

DRIVE CAPABILITIES

(TTL LOADS)

Logic "0" 10 Loads/Tap Max.
 20 Loads/Unit Max.

Logic "1" 20 Loads/Unit Max.

Voltage Range: 4.75V to 5.25V

Supply Current: 110mA

DELAY SPECIFICATIONS (in nanoseconds) ± 2 ns or 5% whichever is greater

JBM Part No.	LINE 1 IN-1 OUT-12	LINE 2 IN-3 OUT-10	LINE 3 IN-5 OUT-8	JBM Part No.	LINE 1 IN-1 OUT-12	LINE 2 IN-5 OUT-8	JBM Part No.	LINE 1 IN-1 Tap @ 12	LINE 1 Tap @ 4	LINE 1 OUT-10	LINE 2 IN-5 OUT-8
L-49-101	5.0	5.0	5.0	L-49-201	25.0	25.0	L-49-301	5.0	10.0	15.0	15.0
L-49-102	6.0	6.0	6.0	L-49-202	30.0	30.0	L-49-302	6.0	12.0	18.0	18.0
L-49-103	7.0	7.0	7.0	L-49-203	35.0	35.0	L-49-303	7.0	14.0	21.0	21.0
L-49-104	8.0	8.0	8.0	L-49-204	40.0	40.0	L-49-304	8.0	16.0	24.0	24.0
L-49-105	9.0	9.0	9.0	L-49-205	45.0	45.0	L-49-305	9.0	18.0	27.0	27.0
L-49-106	10.0	10.0	10.0	L-49-206	50.0	50.0	L-49-306	10.0	20.0	30.0	30.0
L-49-107	15.0	15.0	15.0	L-49-207	60.0	60.0	L-49-307	15.0	30.0	45.0	45.0
L-49-108	20.0	20.0	20.0	L-49-208	70.0	70.0	L-49-308	20.0	40.0	60.0	60.0
L-49-109	25.0	25.0	25.0	L-49-209	80.0	80.0	L-49-309	25.0	50.0	75.0	75.0
L-49-110	30.0	30.0	30.0	L-49-210	90.0	90.0	L-49-310	25.0	50.0	100.0	100.0
L-49-111	40.0	40.0	40.0	L-49-211	100.0	100.0	L-49-311	30.0	60.0	90.0	90.0
L-49-112	50.0	50.0	50.0	L-49-212	125.0	125.0	L-49-312	30.0	60.0	120.0	120.0
L-49-113	60.0	60.0	60.0	L-49-213	150.0	150.0	L-49-313	40.0	80.0	120.0	120.0
L-49-114	75.0	75.0	75.0	L-49-214	175.0	175.0	L-49-314	40.0	80.0	160.0	160.0
L-49-115	100.0	100.0	100.0	L-49-215	200.0	200.0	L-49-315	50.0	75.0	100.0	100.0
L-49-116	125.0	125.0	125.0	L-49-216	250.0	250.0	L-49-316	50.0	100.0	150.0	150.0
L-49-117	150.0	150.0	150.0	L-49-217	300.0	300.0	L-49-317	50.0	100.0	200.0	200.0
L-49-118	175.0	175.0	175.0	L-49-218	350.0	350.0	L-49-318	75.0	150.0	200.0	200.0
L-49-119	200.0	200.0	200.0	L-49-219	400.0	400.0	L-49-319	100.0	150.0	200.0	200.0
L-49-120	250.0	250.0	250.0	L-49-220	500.0	500.0	L-49-320	100.0	200.0	300.0	300.0

Delays may change 2% or 1ns for a respective 5% increase or decrease in supply voltage.

Consult factory for other delays, tolerances, and logic families.