



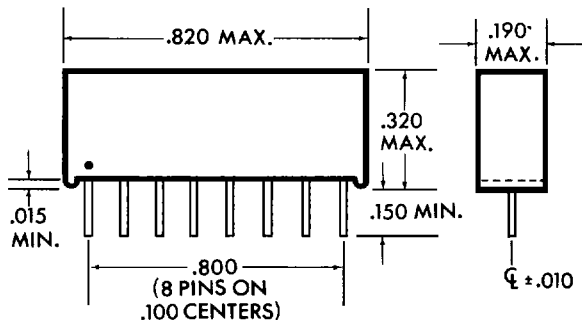
# DIGITAL DELAY LINES

## HIGH SPEED CMOS

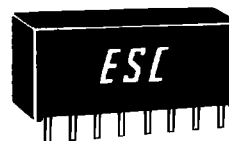
### 8 PIN SIL PACKAGE

### 5 TAPS AND SINGLE OUTPUT

#### SERIES SLCMT AND SLCMG



White Dot locates Pin 1



ONLY ACTIVE PINS ARE SUPPLIED

Intermediate delay values available upon request.

MODEL NUMBERS			
5 Tap (Fig. 1) Series SLCMT	Delay (ns)	Delay per Tap (ns)	Single Out (Fig. 2) Series SLCMG
SLCMT32	32	*5	SLCMG32
SLCMT36	36	*6	SLCMG36
SLCMT40	40	*7	SLCMG40
SLCMT44	44	*8	SLCMG44
SLCMT48	48	*9	SLCMG48
SLCMT52	52	*10	SLCMG52
SLCMT60	60	12	SLCMG60
SLCMT75	75	15	SLCMG75
SLCMT100	100	20	SLCMG100
SLCMT125	125	25	SLCMG125
SLCMT150	150	30	SLCMG150
SLCMT175	175	35	SLCMG175
SLCMT200	200	40	SLCMG200
SLCMT250	250	50	SLCMG250
SLCMT300	300	60	SLCMG300
SLCMT350	350	70	SLCMG350
SLCMT400	400	80	SLCMG400
SLCMT420	420	84	SLCMG420
SLCMT440	440	88	SLCMG440
SLCMT450	450	90	SLCMG450
SLCMT500	500	100	SLCMG500

DC PARAMETERS		LIMITS	
		Min.	Max.
Voh	Vcc=min Ioh=4.0mA	4.0V	-
Vol	Vcc=min Iol=4.0mA	-	.3V
Vih	Vcc=min-max	2.0V	-
Vil	Vcc=min-max	-	.8V
IL	Vcc=max	-	+/-1.0µA
Icc	Vcc=max outputs low	SLCMT Series - 15mA SLCMG " - 12mA	
max load	Vcc-max Voh=4.0V	10 LSTTL Loads	

For variations in delay from above listing, modify part number by changing delay.  
Example: 275ns, SLCMT series becomes SLCMT275.

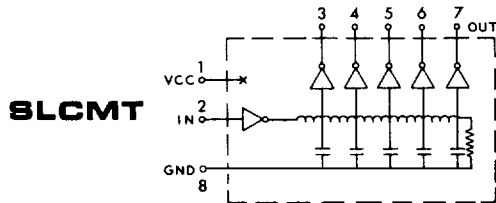


FIG. 1

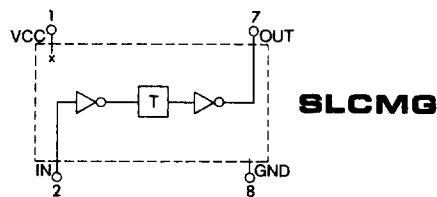


FIG. 2

#### SPECIFICATIONS:

- Supply voltage: 5.0VDC ± 5%
- Delay tolerances: -2ns or ± 5% wig
- Rise Time: 4ns max
- Minimum Pulse Width: 40% of Total Delay
- Maximum Duty Cycle: 50%
- Five equally spaced taps
- Operating temp. range: 0°C to + 70°C
- Temp. coeff. of delay: 1.0ns + 1000ppm/°C
- Terminals: Electro tin plated alloy 42  
.020w x .010th

\* Residual Delay first tap-12ns. The taps following are referenced to the first tap (pin 12).

#### TEST CONDITIONS:

- Vcc = 5.0VDC, Temp. 25° 5°C
- Time delay measured at the 1.5V level
- Rise time measured from .75V to 2.4V
- Input test pulse:
  - Pulse voltage: 3.0V
  - Pulse rise time: 2ns
  - Pulse width: 1.5 x max Td
  - Pulse spacing: 5 x max Td