

DS1000 - 5 Tap Silicon Delay Line



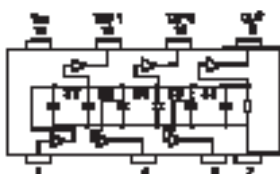
A TTL/CMOS compatible series with 5 equally spaced taps providing precise delays from 4ns to 500ns, with nominal accuracy of $\pm 5\%$ or $\pm 2ns$. Reproduces the input logic state at the output after a fixed delay as specified by the part number, with equal precision at both leading and trailing edges.

SEM670

	Mfrs. Pins List No.	Order Code	Price Each		
			1+	10+	100+
10ns per tap, 50ns overall	14 DS1000-50	119-684 †			
20ns per tap, 100ns overall	14 DS1000-100	119-696 †			
100ns per tap, 500ns overall	14 DS1000-500	119-702 †			
10ns per tap, 50ns overall	8 DS1000Z-50	SMD 119-714 †			
20ns per tap, 100ns overall	8 DS1100Z-100	SMD 117-353			
100ns per tap, 500ns overall	8 DS1000Z-500	SMD 117-365			

† Available until stocks are exhausted

Active TTL Buffered
14 pin package



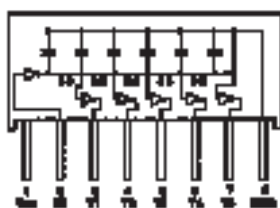
5 Tap 31A Series = DIP, 42A Series = DIL



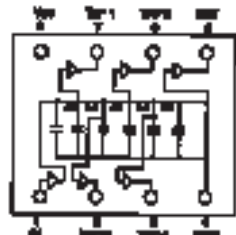
10 tap 50A Series = DIP

8 pin SIP package

8 pin DIP package



5 Tap 70A Series



5 Tap 80A Series

SEM50

Function: 5 Tap delay line	Mfrs. List No.	Order Code	Price Each		
			1+	10+	100+
5ns per tap, 25ns overall	31A5250	.203-117			
10ns per tap, 50ns overall	31A5500	.203-129			
20ns per tap, 100ns overall	31A5101	.203-130			
50ns per tap, 250ns overall	31A5251	.203-142			
5ns per tap, 25ns overall	42A5250	.175-768			
10ns per tap, 50ns overall	42A5500	.175-636			
20ns per tap, 100ns overall	42A5101	.175-637			
25ns per tap, 125ns overall	42A5125	.176-546			
30ns per tap, 150ns overall	42A5151	.175-217			
40ns per tap, 200ns overall	42A5201	.175-769			
50ns per tap, 250ns overall	42A5251	.176-547			
5ns per tap, 25ns overall	70A5250	.203-154			
10ns per tap, 50ns overall	70A5500	.203-166			
20ns per tap, 100ns overall	70A5101	.203-178			
10ns per tap, 50ns overall	80A5500	.203-191			

Function: 10 Tap delay line	Mfrs. List No.	Order Code	Price Each		
			1+	10+	100+
2.5ns per tap, 25ns overall	50A10250	.203-208			
5ns per tap, 50ns overall	50A10500	.175-218			
7.5ns per tap, 75ns overall	50A10750	.203-210			
10ns per tap, 100ns overall	50A10101	.175-219			
15ns per tap, 150ns overall	50A10151	.176-537			
20ns per tap, 200ns overall	50A10201	.175-220			
25ns per tap, 250ns overall	50A10251	.175-221			
30ns per tap, 300ns overall	50A10301	.176-538			
50ns per tap, 500ns overall	50A10501	.176-539			

Low Power Active Current Consumption 4.2mA max
14 pin DIP package



SEM51

Function: 5 Tap delay line	Mfrs. List No.	Order Code	Price Each		
			1+	10+	100+
10ns per tap, 50ns overall	31L5500	.176-540			
15ns per tap, 75ns overall	31L5750	.176-541			
20ns per tap, 100ns overall	31L5101	.176-542			
100ns per tap, 500ns overall	31L5501	.176-545			

DS1021 - Programmable 8-bit Silicon Delay Line



A TTL/CMOS compatible series consisting of 8-bit user programmable CMOS integrated circuit. Delay values are programmed using either the 3-wire serial port or the 8-bit parallel port. The input logic state is reproduced at the output without inversion, after the user-determined delay.

SEM671

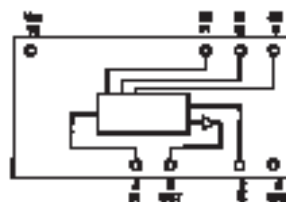
	Mfrs. Pins List No.	Order Code	Price Each		
			1+	10+	100+
0.25ns per tap, 73.75ns overall	16 DS1021S-25	119-544			
0.5ns per tap, 137.5ns overall	16 DS1021S-50	119-556			

Bit Programmable Active



These input lines provide a one-of-eight selection to set the required delay the minimum delay in each case is 7ns $\pm 2ns$. TTL buffered.

16 pin DIP package

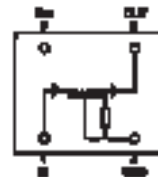


SEM52

Functions: 8-step programmable delay line	Mfrs. List No.	Order Code	Price Each		
			1+	10+	100+
3ns per step, 28ns max.	60A028	175-770 †			
12ns per step, 91ns max.	60A091	175-772 †			

† Available until stocks are exhausted

Single Output, Active TTL Buffered
8 pin DIP package



SEM53

Functions	Mfrs. List No.	Order Code	Price Each		
			1+	10+	100+
50ns single output	81A050	175-773			
100ns single output	81A100	175-774			
200ns single output	81A200	175-775			

Triple, Single Output, Active TTL Buffered
14 pin DIP package



SEM54

Functions	Mfrs. List No.	Order Code	Price Each		
			1+	10+	100+
20ns delay 3	34A020	176-548			
100ns delay 3	34A100	176-550			

Free Technical Support

Our trained engineers are available to help you select the right item. Call us on (65) 788 1922 or e-mail singapore-technical@farnell.com we're here to help.