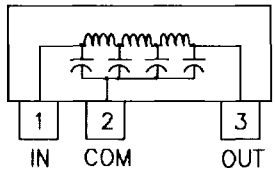
Mini-SIP Passive Delay Modules

SIL2 Style Schematic



SIL2

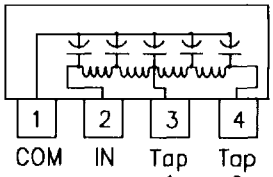
"3" Pin SIP Package
(4 Pin package with unused pin removed)

Detailed Dwg.
See pg. 32, fig. 8

Electrical Specifications at 25°C

Delay (ns)	Rise Time 20% - 80% max. (ns)	DCR max. (Ohms)	50 Ohm Impedance Part Number	55 Ohm Impedance Part Number	75 Ohm Impedance Part Number	100 Ohm Impedance Part Number	200 Ohm Impedance Part Number
1 ± .20	1.6	.20	SIL2-1-50	SIL2-1-55	SIL2-1-75	SIL2-1-10	SIL2-1-20
1.5 ± .20	1.6	.30	SIL2-1.5-50	SIL2-1.5-55	SIL2-1.5-75	SIL2-1.5-10	SIL2-1.5-20
2 ± .20	1.6	.40	SIL2-2-50	SIL2-2-55	SIL2-2-75	SIL2-2-10	SIL2-2-20
2.5 ± .20	1.6	.50	SIL2-2.5-50	SIL2-2.5-55	SIL2-2.5-75	SIL2-2.5-10	SIL2-2.5-20
3 ± .20	1.7	.60	SIL2-3-50	SIL2-3-55	SIL2-3-75	SIL2-3-10	SIL2-3-20
4 ± .20	1.7	.70	SIL2-4-50	SIL2-4-55	SIL2-4-75	SIL2-4-10	SIL2-4-20
5 ± .25	1.8	.80	SIL2-5-50	SIL2-5-55	SIL2-5-75	SIL2-5-10	SIL2-5-20
6 ± .30	2.0	.85	SIL2-6-50	SIL2-6-55	SIL2-6-75	SIL2-6-10	SIL2-6-20
7 ± .30	2.2	.90	SIL2-7-50	SIL2-7-55	SIL2-7-75	SIL2-7-10	SIL2-7-20
8 ± .30	2.4	.95	SIL2-8-50	SIL2-8-55	SIL2-8-75	SIL2-8-10	SIL2-8-20
9 ± .30	2.6	1.10	SIL2-9-50	SIL2-9-55	SIL2-9-75	SIL2-9-10	SIL2-9-20
10 ± .30	2.8	1.20	SIL2-10-50	SIL2-10-55	SIL2-10-75	SIL2-10-10	SIL2-10-20
11 ± .40	3.0	1.40	SIL2-11-50	SIL2-11-55	SIL2-11-75	SIL2-11-10	SIL2-11-20
12 ± .50	3.2	1.50	SIL2-12-50	SIL2-12-55	SIL2-12-75	SIL2-12-10	SIL2-12-20
13 ± .60	3.4	1.60	SIL2-13-50	SIL2-13-55	SIL2-13-75	SIL2-13-10	SIL2-13-20
14 ± .70	3.6	1.60	SIL2-14-50	SIL2-14-55	SIL2-14-75	SIL2-14-10	SIL2-14-20
15 ± .70	3.8	1.70	SIL2-15-50	SIL2-15-55	SIL2-15-75	SIL2-15-10	SIL2-15-20
16 ± .80	4.0	1.80	SIL2-16-50	SIL2-16-55	SIL2-16-75	SIL2-16-10	SIL2-16-20
20 ± 1.0	4.8	2.00	SIL2-20-50	SIL2-20-55	SIL2-20-75	SIL2-20-10	SIL2-20-20

SIL2T with 50% Tap Style Schematic (per Table replace SIL2- with SIL2T)



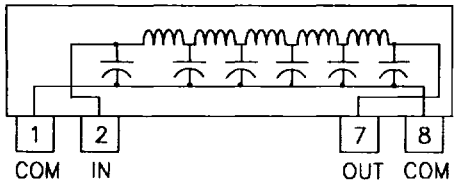
SIL2T

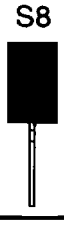
4 Pin SIP Package

Detailed Dwg.
See pg. 32, fig. 9

Tight Tolerance / Fast t_r
SIP Passive Delay Lines

SIP8 Style Schematic





S8

8 Pin SIP Package

Detailed Dwg.
See pg. 32, fig. 7
and Table P-9

For other values & Custom Designs, contact factory.

Electrical Specifications at 25°C

Delay (ns)	Rise Time max. (ns)	DCR max. (Ohms)	50 Ohm Impedance Part Number	75 Ohm Impedance Part Number	100 Ohm Impedance Part Number	200 Ohm Impedance Part Number
1.0 ± .30	0.8	0.8	SIP8-15	SIP8-17	SIP8-11	SIP8-12
1.5 ± .30	0.9	1.1	SIP8-1.55	SIP8-1.57	SIP8-1.51	SIP8-1.52
2.0 ± .30	1.1	1.2	SIP8-25	SIP8-27	SIP8-21	SIP8-22
2.5 ± .30	1.1	1.3	SIP8-2.55	SIP8-2.57	SIP8-2.51	SIP8-2.52
3.0 ± .30	1.3	1.4	SIP8-35	SIP8-37	SIP8-31	SIP8-32
4.0 ± .30	1.6	1.5	SIP8-45	SIP8-47	SIP8-41	SIP8-42
5.0 ± .30	1.8	1.5	SIP8-55	SIP8-57	SIP8-51	SIP8-52
6.0 ± .40	1.9	1.6	SIP8-65	SIP8-67	SIP8-61	SIP8-62
7.0 ± .40	2.1	1.6	SIP8-75	SIP8-77	SIP8-71	SIP8-72
8.0 ± .45	2.2	1.6	SIP8-85	SIP8-87	SIP8-81	SIP8-82
9.0 ± .45	2.4	1.7	SIP8-95	SIP8-97	SIP8-91	SIP8-92
10 ± .50	2.5	1.7	SIP8-105	SIP8-107	SIP8-101	SIP8-102
15 ± .70	3.7	2.1	SIP8-155	SIP8-157	SIP8-151	SIP8-152
20 ± 1.0	4.6	2.4	SIP8-205	SIP8-207	SIP8-201	SIP8-202
25 ± 1.2	5.4	3.1	SIP8-255	SIP8-257	SIP8-251	----------
30 ± 0.5	6.5	4.5	SIP8-305	SIP8-307	SIP8-301	----------
50 ± 2.0	10.0	4.5	SIP8-505	SIP8-507	SIP8-501	----------
100 ± 5.0	20.0	6.2	SIP8-1005	SIP8-1007	SIP8-1001	----------
200 ± 10	44.0	7.6	SIP8-2005	SIP8-2007	SIP8-2001	----------

1. Rise Times are measured from 10% to 90% points. Except SIL2(T) 20%-80%.
2. Delay Times measured at 50% points of leading edge.
3. Output (100% Tap) terminated through Z_0 to ground.

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