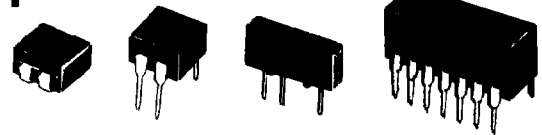


PASSIVE DELAY LINES, SINGLE OUTPUT SERIES SMP01S - 4 PIN SURFACE MOUNT SERIES P01S - 4 PIN DIP PACKAGE SERIES S01 - 3 PIN SIP PACKAGE SERIES P01 - 14 PIN DIP PACKAGE



- Industry's widest range — 0.1nS to 1000nS!
- Low cost, prompt delivery!
- Precision-grade internal inductor elements ensure excellent stability
- Operating temperature: 0°C to +70°C

OPTIONS

- Custom circuits available
- Non-standard delay or impedance values
- Increased operating temperature range
- Low profile package (Type P01 only)
- Tighter tolerance or temp. coefficient
- Faster rise times

RCD Type	Delay Time (nSec)	Rise Time Max.** (nSec)	Available Impedance Values ($\pm 10\%$)*
P01S	0.1	2.0	50 Ω or 75 Ω
P01S	0.2	2.0	50 Ω or 75 Ω
P01S	0.3	2.0	50 Ω or 75 Ω
P01S	0.4	2.0	50 Ω or 75 Ω
P01S	0.5	2.0	50 Ω or 75 Ω
P01S	0.6	2.0	50 Ω or 75 Ω
P01S	0.7	2.0	50 Ω or 75 Ω
P01S	0.8	2.0	50 Ω or 75 Ω
P01S	0.9	2.0	50 Ω or 75 Ω
P01S	1.0	2.0	50 Ω or 75 Ω
S01	1.0	3.0	100 Ω std., 50 Ω or 200 Ω avail.
S01	2.0	3.0	100 Ω std., 50 Ω or 200 Ω avail.
S01	3.0	3.0	100 Ω std., 50 Ω or 200 Ω avail.
S01	4.0	3.5	100 Ω std., 50 Ω or 200 Ω avail.
S01	5.0	3.5	100 Ω std., 50 Ω or 200 Ω avail.
S01	6.0	3.5	100 Ω std., 50 Ω or 200 Ω avail.
S01	7.0	4.0	100 Ω std., 50 Ω or 200 Ω avail.
S01	8.0	4.0	100 Ω std., 50 Ω or 200 Ω avail.
S01	9.0	4.5	100 Ω std., 50 Ω or 200 Ω avail.
S01	10.0	4.5	100 Ω std., 50 Ω or 200 Ω avail.
P01	10	3.5	100 Ω
P01	20	5.5	50 Ω , 100 Ω , 200 Ω
P01	30	6.5	50 Ω , 100 Ω , 200 Ω
P01	40	8	50 Ω , 100 Ω , 200 Ω , 300 Ω
P01	50	10	50 Ω , 100 Ω , 200 Ω , 300 Ω , 500 Ω
P01	60	12	50 Ω , 100 Ω , 200 Ω , 300 Ω , 500 Ω
P01	75	15	50 Ω , 100 Ω , 200 Ω , 300 Ω , 500 Ω
P01	100	20	50 Ω , 100 Ω , 200 Ω , 300 Ω , 500 Ω
P01	120	24	50 Ω , 100 Ω , 200 Ω , 300 Ω , 500 Ω
P01	150	30	50 Ω , 100 Ω , 200 Ω , 300 Ω , 500 Ω
P01	180	36	50 Ω , 100 Ω , 200 Ω , 300 Ω , 500 Ω
P01	200	40	50 Ω , 100 Ω , 200 Ω , 300 Ω , 500 Ω
P01	220	44	50 Ω , 100 Ω , 200 Ω , 300 Ω , 500 Ω
P01	250	50	50 Ω , 100 Ω , 200 Ω , 300 Ω , 500 Ω
P01	300	60	50 Ω , 100 Ω , 200 Ω , 300 Ω , 500 Ω
P01	375	75	50 Ω , 100 Ω , 200 Ω , 300 Ω , 500 Ω
P01	500	100	50 Ω , 100 Ω , 200 Ω , 300 Ω , 500 Ω
P01	600	120	50 Ω , 100 Ω , 200 Ω , 300 Ω , 500 Ω
P01	750	150	50 Ω , 100 Ω , 200 Ω , 300 Ω , 500 Ω
P01	1000	200	50 Ω , 100 Ω , 200 Ω , 300 Ω , 500 Ω

* 100 Ω is the most common impedance value on S01 and P01

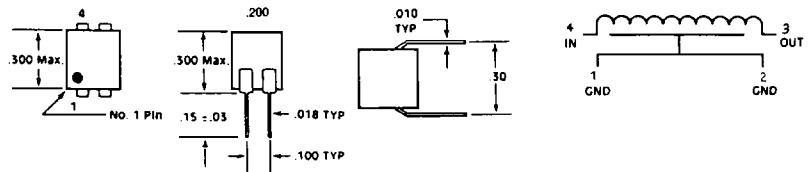
** Faster rise times available!

Ultra-miniature Type P01S is the industry's smallest!
RCD Series P01 and S01 passive (analog) delay lines are a lumped constant design per MIL-D-23859, incorporating high-performance inductors and multilayer capacitors in a molded case ensuring stable transmission, low temperature coefficient, and excellent environmental performance.

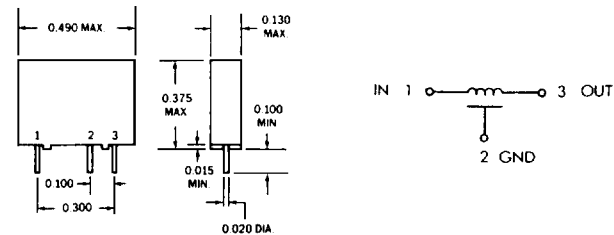
ELECTRICAL CHARACTERISTICS

Total Delay Tol.: S01 $\pm 5\%$ or $\pm 0.5\text{nS}$ whichever is greater
P01 $\pm 5\%$ or $\pm 2\text{nS}$ whichever is greater
P01S/SMP01S $\pm 20\%$
Temperature Coefficient: $\pm 100\text{ppm}/^\circ\text{C}$ Max.
Distortion: $\pm 10\%$ Max.
Dielectric Strength: 100VDC
Insulation Resistance: 1000M Ω Min.
Attenuation: S01 2% Max.
P01 10nS-300nS 10% Max., >300nS 20% Max.
P01S/SMP01S 20% Max.

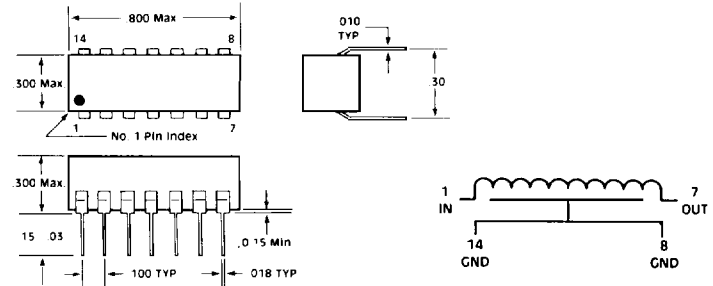
TYPE P01S 4 Pin DIP, TYPE SMP01S 4 Pin Surface Mount
(Information on P01S and SMP01S is preliminary, consult factory.)



TYPE S01



TYPE P01



TEST CONDITIONS @25°C

- 1) Pulse width at 3x total delay
- 2) Pulse input at 10V
- 3) Rise time measured at 10% to 90% points

HOW TO ORDER

