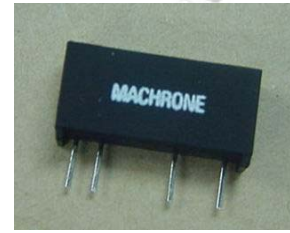


# 30P – SERIES

## 8 PIN SINGLE-IN-LINE PASSIVE DELAY LINE

### FEATURES

- 8-pin sip package.
- 1 equally spaced taps.
- Wide operating temperature range
- Fast rise time
- Low cost



### ELECTRICAL CHARACTERISTICS

Total Delay	: 500ps to 200ns
Rise time	: 20% Max of Total Delay
Characteristic Impedance	: 50 to 500 Ω (±10%)
Attenuation	: 1dB Max (See Table)
Distortion	: ±10% Max
Temperature Coefficient of Delay	: 100ppm/°C Max
Operating Temperature Range	: -55°C to +125°C
Storage Temperature Range	: -65°C to +130°C
Insulation Resistance	: 100MΩ Min @50VDC
Dielectric Strength	: 50VDC

### INPUT PULSE TEST CONDITION

Pulse Voltage	: 2.5V
Pulse Width	: 5Td
Pulse Rise Time	: 2ns (10% to 90%)

### ELECTRICAL SPECIFICATIONS

Part Number	Total Delay (ns)	Rise Time Max (ns)	Attenuation (%) Per Impedance (Ω)				
			50	100	200	300	500
30P-001XX	1.0±0.25	1.0	1.0	1.0	1.0	1.0	1.0
30P-001R5XX	1.5±0.25	1.0	1.0	1.0	1.0	1.0	1.0
30P-002XX	2.0±0.25	1.0	1.0	1.0	1.0	1.0	1.0
30P-002R5XX	2.5±0.25	1.0	1.0	1.0	1.0	1.0	1.0
30P-003XX	3.0±0.25	1.0	1.0	1.0	1.0	1.0	1.0
30P-003R5XX	3.5±0.25	1.0	1.0	1.0	1.0	1.0	2.0
30P-004XX	4.0±0.25	1.0	1.0	1.0	1.0	1.0	2.0
30P-004R5XX	4.5±0.25	1.0	1.0	1.0	2.0	1.0	2.5
30P-005XX	5.0±0.25	1.1	1.0	1.5	2.0	2.0	2.5
30P-005R5XX	5.5±0.25	1.2	1.5	1.5	2.0	2.0	3.0
30P-006XX	6.0±0.25	1.3	1.5	1.5	2.0	2.0	3.0
30P-006R5XX	6.5±0.25	1.4	1.5	1.5	2.0	2.5	3.0
30P-007XX	7.0±0.25	1.5	1.5	1.5	2.0	2.0	4.0
30P-007R5XX	7.5±0.25	1.6	1.5	1.5	2.0	2.5	4.0
30P-008XX	8.0±0.25	1.7	1.5	1.5	2.5	2.5	4.0
30P-008R5XX	8.5±0.25	1.8	1.5	2.0	2.5	3.0	4.0
30P-009XX	9.0±0.25	1.9	1.5	2.0	2.5	3.0	5.0
30P-009R5XX	9.5±0.25	2.0	1.5	2.0	2.5	3.0	5.0
30P-010XX	10.0±0.25	2.0	1.5	2.0	2.5	3.0	5.0
30P-015XX	15.0±0.50	2.8	2.0	2.0	3.0	3.5	5.0
30P-020XX	20.0±0.60	3.8	2.0	3.0	3.0	4.0	5.0
30P-030XX	30.0±0.90	5.5	2.0	3.0	4.0	4.0	5.0
30P-040XX	40.0±1.20	7.4	3.0	4.0	4.0	5.0	6.0
30P-050XX	50.0±1.50	8.6	3.0	4.0	4.0	5.0	6.0
30P-075XX	75.0±2.25	14.0	3.0	4.0	5.0	5.0	7.0

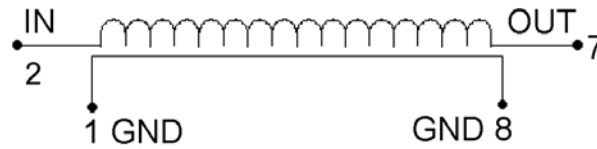
## 30P – SERIES

### 8 PIN SINGLE-IN-LINE PASSIVE DELAY LINE

#### ELECTRICAL SPECIFICATIONS

Part Number.	Total Delay (ns)	Rise Time Max (ns)	Attenuation (%) Per Impedance ( $\Omega$ )				
			50	100	200	300	500
30P-100XX	100.0 $\pm$ 3.00	20.0	3.0	4.0	5.0	6.0	7.0
30P-125XX	125.0 $\pm$ 3.75	25.0	3.0	5.0	6.0	7.0	8.0
30P-150XX	150.0 $\pm$ 4.50	30.0	4.0	5.0	6.0	7.0	8.0
30P-175XX	175.0 $\pm$ 5.25	34.0	4.0	5.0	6.0	7.5	9.0
30P-200XX	200.0 $\pm$ 6.00	38.0	4.0	5.5	6.5	7.5	9.0
30P-250XX	250.0 $\pm$ 7.50	46.0	4.0	5.5	7.0	8.0	9.0

#### PIN CONNECTIONS



#### MARKING AND DIMENSION

Dimensions: inches/mm unless otherwise specified, all tolerances are  $\pm 010/\pm 0.25$

