

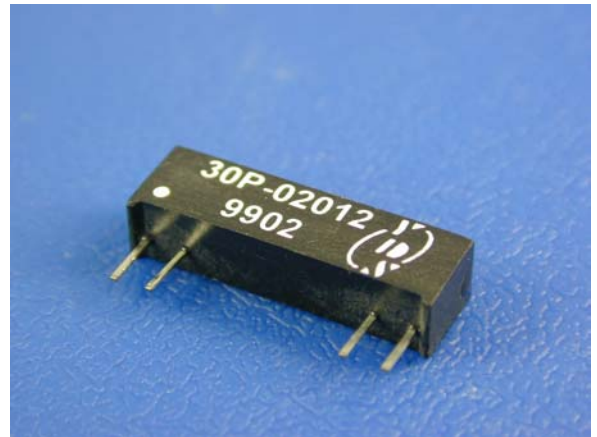


### FEATURES

- 8-PIN SIP PACKAGE.
- 1EQUALLY-SPACED TAPS.
- WIDE OPERATING TEMPERATURE RANGE
- FAST RISE TIME
- LOW COST

### ELECTRICAL CHARACTERISTICS

Total Delay	:500ps to 250nS
Risetime	:20% MAX OF TOTAL DELAY
Characteristic Impedance	:50 to 500 Ω(±10%)
Attenuation	:1dBmax(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



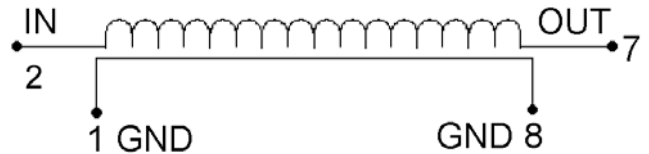
### INPUT PULSE TEST CONDITION

Pulse Voltage	:2.5V
Pulse Width	:5T <sub>d</sub>
Pulse Rise Time	:2nS(10% to 90%)

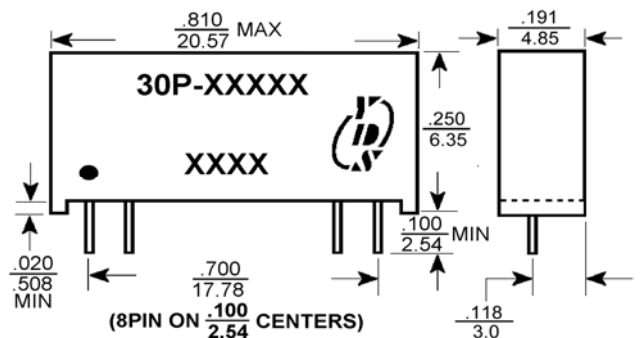
### ELECTRICAL SPECIFICATIONS

PART NO.	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-040XX	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-100XX	100.0±3.00	20.0	3.0	4.0	5.0	6.0	7.0
30P-125XX	125.0±3.75	25.0	3.0	5.0	6.0	7.0	8.0
30P-150XX	150.0±4.50	30.0	4.0	5.0	6.0	7.0	8.0
30P-175XX	175.0±5.25	34.0	4.0	5.0	6.0	7.5	9.0
30P-200XX	200.0±6.00	38.0	4.0	5.5	6.5	7.5	9.0
30P-250XX	250.0±7.50	46.0	4.0	5.5	7.0	8.0	9.0

### PIN CONNECTIONS



### MARKINGS AND DIMENSION



Dimensions:inches/mm

Unless otherwise specified, all tolerances are ±.010/±0.25