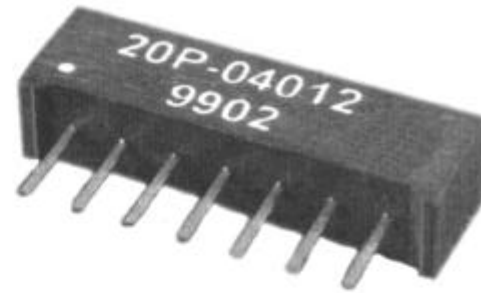


## FEATURES

- 7-PIN SIP PACKAGE.
- 5 EQUALLY-SPACED TAPS.
- OPERATING TEMPERATURE RANGE: 0°C TO +70°C
- LOW OUTPUT DISTORTION: ±10%.
- TOTAL DELAYS FROM 5-100Ns  
(other values available upon request)



## ELECTRICAL CHARACTERISTICS

Total Delay	:5 to 100nS
Tap Delays	:20% increments standard
Rise time	:SEE TABLE
Characteristic Impedance	:50 to 500 Ω (±10%)
Attenuation	:5%max
Distortion	:10% max
Temperature Coefficient of Delay	100ppm/°C max

## INPUT PULSE TEST CONDITION

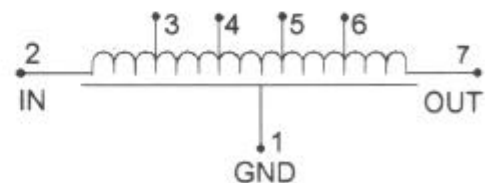
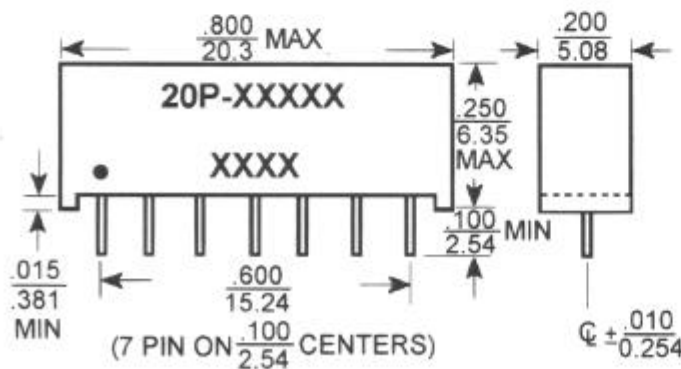
Pulse Voltage	:2.5V
Pulse Width	:5Td
Pulse Rise Time	:2nS(10% to 90%)

## ELECTRICAL SPECIFICATIONS

PART NO.	TOTAL DELAY (ns)	TAP DELAY (ns)	RISETIME MAX(ns)	DC RESISTANCE(Ω)MAX PER IMPEDANCE(Ω)	
				50	100
20P-005XX	5 ±0.5	1 ±0.3	20	0.3	0.5
20P-010XX	10 ±1.0	2 ±0.4	3.3	0.5	1.0
20P-020XX	20 ±1.5	4 ±0.6	6.0	0.8	1.5
20P-030XX	30 ±2.0	6 ±1.0	9.0	1.2	2.5
20P-040XX	40 ±2.5	8 ±1.5	12.0	1.8	4.0
20P-050XX	50 ±3.0	10 ±1.8	15.0	2.3	5.0
20P-060XX	60 ±3.5	12 ±2.0	18.0	2.5	-
20P-070XX	70 ±4.0	14 ±2.0	22.0	3.5	-
20P-080XX	80 ±4.5	16 ±2.0	24.0	4.2	-
20P-090XX	90 ±5.0	18 ±3.0	27.0	4.5	-
20P-100XX	100 ±5.0	20 ±3.0	28.0	5.2	-

### MARKINGS AND DIMENSION

### PIN CONNECTIONS



Dimensions: inches/mm

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

**ALLEN AVIONICS, INC.**