

## FEATURES:

- 14-PIN SIP,DIP AND SURFACE MOUNT PACKAGE
- 5:1 DELAY-TO-RISETIME RATION
- 10 EQUALLY-SPACE TAPS
- WIDE OPERATING TEMPERATURE RANGE
- LOW COST

## ELECTRICAL CHARACTERISTICS:

Total Delay	:	10 to 1000nS
TAP DELAYS	:	10% Increments standard
Rise Time	:	20% Max of Total Delay
Characteristic Impedance	:	50 to 500Ω(±10%)
Attenuation	:	2dB Max
Distortion	:	±10% Max
Temperature Coefficient of Delay	:	100ppm/°C max
Operating Temperature Range	:	0°C to +70°C
Storage Temperature Range	:	-65°C to +130°C
Insulation Resistance	:	1000MΩ Min @50Vdc
Dielectric Strength	:	50Vdc

## INPUT PULSE TEST CONDITION:

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

YUAN DEAN SCIENTIFIC



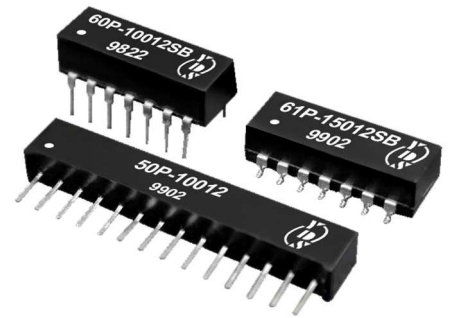
Delay Line

50P/60P/61P SERIES

14 Pin

Dual In-Line

Passive



## ELECTRICAL SPECIFICATIONS

PART NO.	Total Delay nS(±5%)*	Tap Delay nS (±5%)**	Tr (nS) max	ATTENUATION(%) TYPICAL PER IMPEDANCE(Ω)				
				50	100	200	300	500
50P/60P/61P-010XXXXNL	10	1	3		5			
50P/60P/61P-020XXXXNL	20	2	5.5	3	5	5		
50P/60P/61P-030XXXXNL	30	3	6.5	3	5	5		
50P/60P/61P-040XXXXNL	40	4	8	3	5	5	5	
50P/60P/61P-050XXXXNL	50	5	10	3	5	5	5	7
50P/60P/61P-060XXXXNL	60	6	12	3	5	5	5	7
50P/60P/61P-075XXXXNL	75	7.5	15	3	5	5	5	7
50P/60P/61P-100XXXXNL	100	10	20	3	5	5	7	7
50P/60P/61P-120XXXXNL	120	12	24	3	5	6	7	8
50P/60P/61P-150XXXXNL	150	15	30	3	5	6	7	8
50P/60P/61P-180XXXXNL	180	18	36	4	5	6	7	8
50P/60P/61P-200XXXXNL	200	20	40	4	5	6	7	8
50P/60P/61P-220XXXXNL	220	22	44	4	5	6	7	8
50P/60P/61P-250XXXXNL	250	25	50	4	5	6	7	8
50P/60P/61P-300XXXXNL	300	30	60		5	8	10	10
50P/60P/61P-375XXXXNL	375	37.5	75		7	8	10	10
50P/60P/61P-500XXXXNL	500	50	100		8	10	12	12
50P/60P/61P-600XXXXNL	600	60	120				15	15
50P/60P/61P-750XXXXNL	750	75	150				15	20

**Note:**

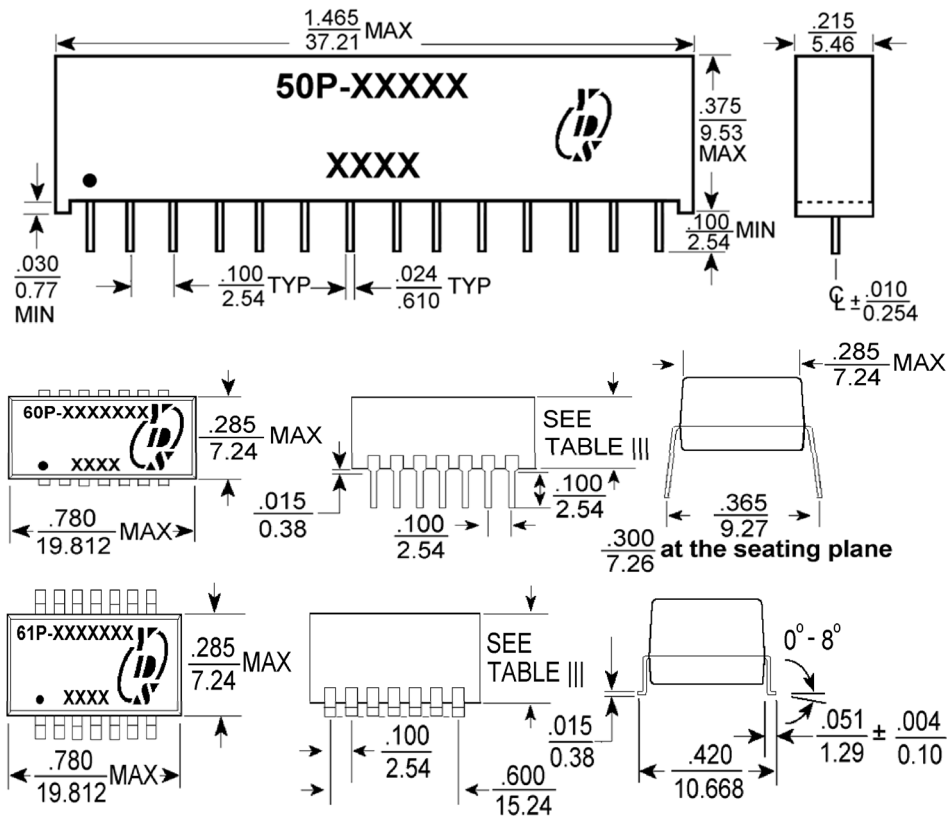
\* or±2ns, whichever is greater.

\* \* or±2ns,whichever is greater, referenced form input.

## TABLE I PIN-NUMBER SEQUENCE

CODE	IN	10%	20%	30%	40%	50%	60%	70%	80%	90%	OUT	GND
STANDARD	14	2	12	3	11	4	5	10	6	9	7	1,8
A	1	2	13	3	12	4	10	5	9	6	7	14
B	2	3	4	5	6	7	9	10	11	12	13	1,14
C	7	9	6	10	5	11	12	3	13	2	14	1,8
D	1	13	2	12	3	11	4	10	5	9	6	7,8,14
E	2	3	4	5	6	7,8	9	10	11	12	13	1,14
F	1	13	2	12	3	11	4	10	5	9	6	7
G	2	13	3	12	4	11	5	10	6	9	7	8,14
H	2	3	4	5	6	7	9	10	11	12	13	1
I	1	13	2	12	3	11	5	10	6	9	7	8,14
J	1	2	13	3	12	4	10	5	9	6	7	8,14
U	2	3	4	5	6	8	9	10	11	12	13	1,7
V	2	3	4	5	6	8	9	10	11	12	13	1
W	1	13	2	12	3	11	4	10	5	9	6	7,14

### Markings and Dimensions



Dimensions: inches/mm Unless otherwise specified, all tolerances are ±.010/±0.25

**TABLE III**

**MOUNTING HEIGHT**

CODE	DIMENSION(MAX)
A	.200(5.08)
B	.250(6.35)
C	.300(7.62)

### Pin Connections

