



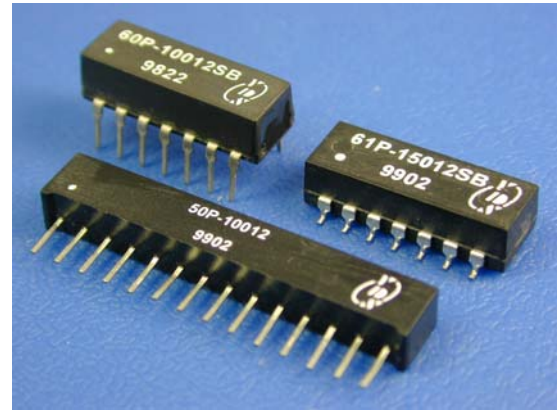
14 PIN DUAL-IN-LINE PASSIVE DELAY LINE

FEATURES

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

ELECTRICAL CHARACTERISTICS

TOTAL DELAY	:10 TO 1000NS
TAP DELAYS	:10% INCREMENTS STANDARD
RISETIME	:20%MAX OF TOTAL DELAY
CHARACTERISTIC IMPEDANCE	:50 TO 500 Ω(±10%)
ATTENUATION	:2 DB 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%)

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-010XXXX	10	1	3		5			
50P/60P/61P-020 XXXX	20	2	5.5	3	5	5		
50P/60P/61P-030 XXXX	30	3	6.5	3	5	5		
50P/60P/61P-040 XXXX	40	4	8	3	5	5	5	
50P/60P/61P-050 XXXX	50	5	10	3	5	5	5	7
50P/60P/61P-060 XXXX	60	6	12	3	5	5	5	7
50P/60P/61P-075 XXXX	75	7.5	15	3	5	5	5	7
50P/60P/61P-100 XXXX	100	10	20	3	5	5	7	7
50P/60P/61P-120 XXXX	120	12	24	3	5	6	7	8
50P/60P/61P-150 XXXX	150	15	30	3	5	6	7	8
50P/60P/61P-180 XXXX	180	18	36	4	5	6	7	8
50P/60P/61P-200 XXXX	200	20	40	4	5	6	7	8
50P/60P/61P-220 XXXX	220	22	44	4	5	6	7	8
50P/60P/61P-250 XXXX	250	25	50	4	5	6	7	8
50P/60P/61P-300 XXXX	300	30	60		5	8	10	10
50P/60P/61P-375 XXXX	375	37.5	75		7	8	10	10
50P/60P/61P-500 XXXX	500	50	100		8	10	12	12
50P/60P/61P-600 XXXX	600	60	120				15	15
50P/60P/61P-750 XXXX	750	75	150				15	20

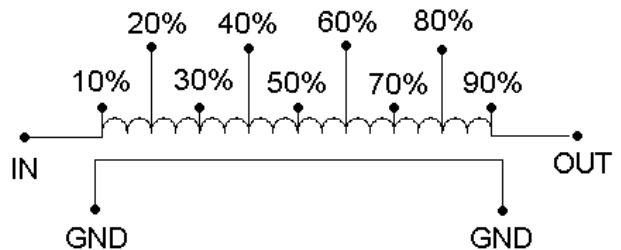
* or±2ns, whichever is greater.

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

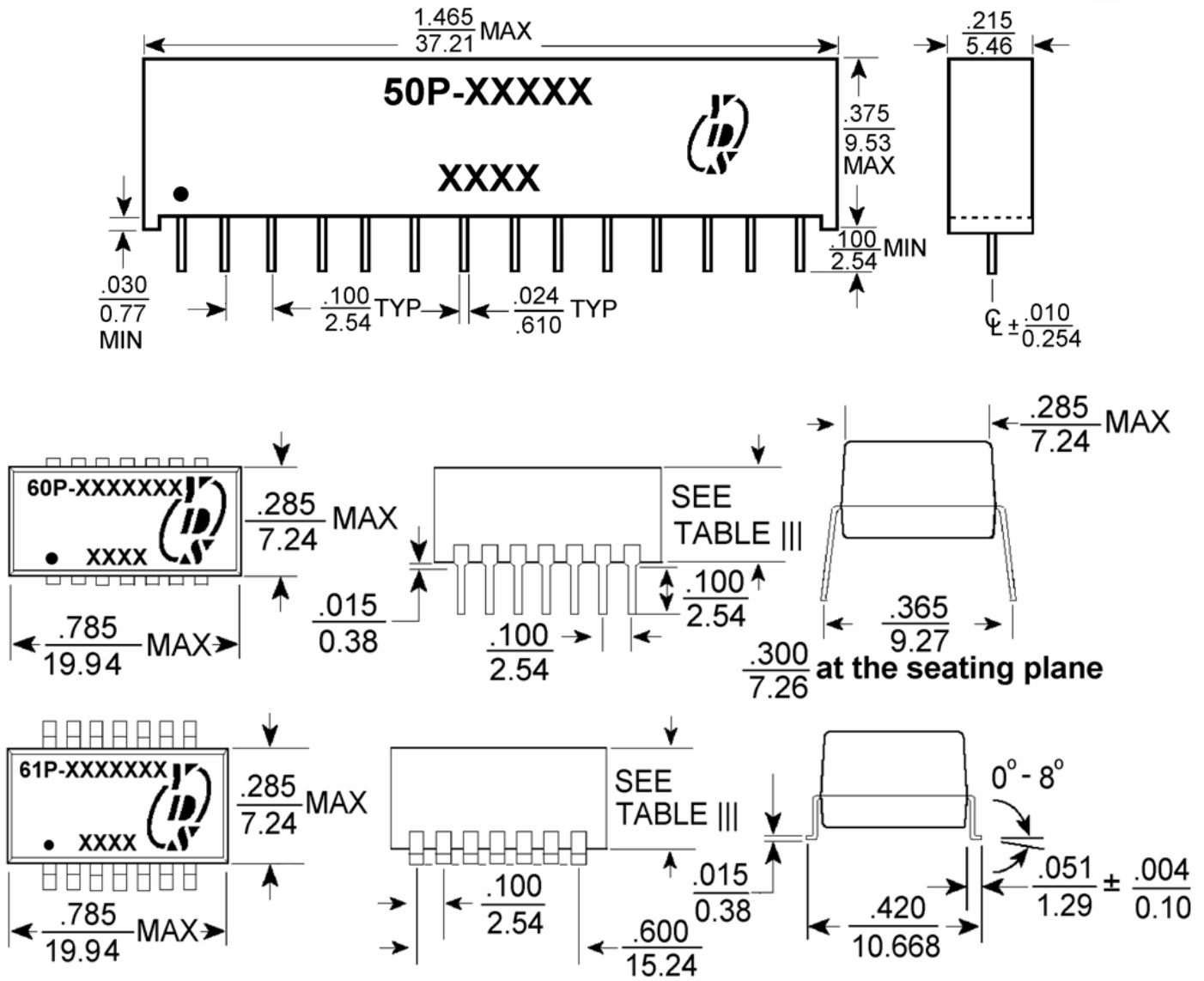
TABLE I PIN-NUMBER SEQUENCE

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

PIN CONNECTIONS



MARKINGS AND DIMENSION



Dimensions: inches/mm

Unless otherwise specified, all tolerances are $\pm 0.10 / \pm 0.25$

TABLE III

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