

FEATURES:

- 8-PIN DIP AND SURFACE MOUNT PACKAGE
- 5 EQUALLY-SPACED TAPS
- WIDE OPERATING TEMPERATURE RANGE
- TOTAL DELAYS FROM 5-100nS

YUAN DEAN SCIENTIFIC



ELECTRICAL CHARACTERISTICS:

Total Delay	: 5NS to 100NS
TAP DELAYS	: 20% Increments standard
Rise Time	: 20% Max of Total Delay
Pulse Attenuation	: See Table
Characteristic Impedance	: 50 to 200Ω(±10%)
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
Dielectric Strength	: 50Vdc

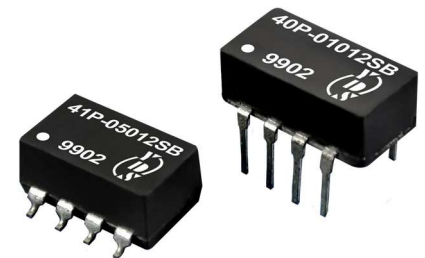
Delay Line

40P/41P SERIES

8 Pin

DIP & SMD

Passive



INPUT PULSE TEST CONDITION:

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



ELECTRICAL SPECIFICATIONS

PART NO.	TOTAL DELAY	TAP DELAY (ns)	RISE TIME MAX(ns)	ATTENUATION (%)	IMPEDANCE (Ω)
40P/41P-00551XXNL	5±0.5	1±0.3	3	3	50
40P/41P-01051XXNL	10±1	2±0.4	4	3	50
40P/41P-02551XXNL	25±2	5±0.8	7	3	50
40P/41P-05051XXNL	50±2.5	10±1	15	3	50
40P/41P-07551XXNL	75±3.7	15±1	20	3	50
40P/41P-10051XXNL	100±5	20±1	28	3	50
40P/41P-00512XXNL	5±0.5	1±0.3	3	5	100
40P/41P-01012XXNL	10±1	2±0.4	4	5	100
40P/41P-02512XXNL	25±2	5±0.8	7	5	100
40P/41P-05012XXNL	50±2.5	10±1	15	5	100

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ELECTRICAL SPECIFICATIONS

PART NO.	TOTAL DELAY	TAP DELAY (ns)	RISE TIME MAX(ns)	ATTENUATION (%)	IMPEDANCE (Ω)
40P/41P-07512XXNL	75 \pm 3.5	15 \pm 1	20	5	100
40P/41P-10012XXNL	100 \pm 5	20 \pm 1	128	5	100
40P/41P-00522XXNL	5 \pm 0.5	1 \pm 0.3	3	6	200
40P/41P-01022XXNL	10 \pm 1	2 \pm 0.4	4	6	200
40P/41P-02522XXNL	25 \pm 2	5 \pm 0.8	7	6	200
40P/41P-05022XXNL	50 \pm 2.5	10 \pm 1	15	6	200
40P/41P-07522XXNL	75 \pm 3.7	15 \pm 1	20	6	200
40P/41P-10022XXNL	100 \pm 5	20 \pm 1	28	6	200

TABLE I PIN-NUMBER SEQUENCE

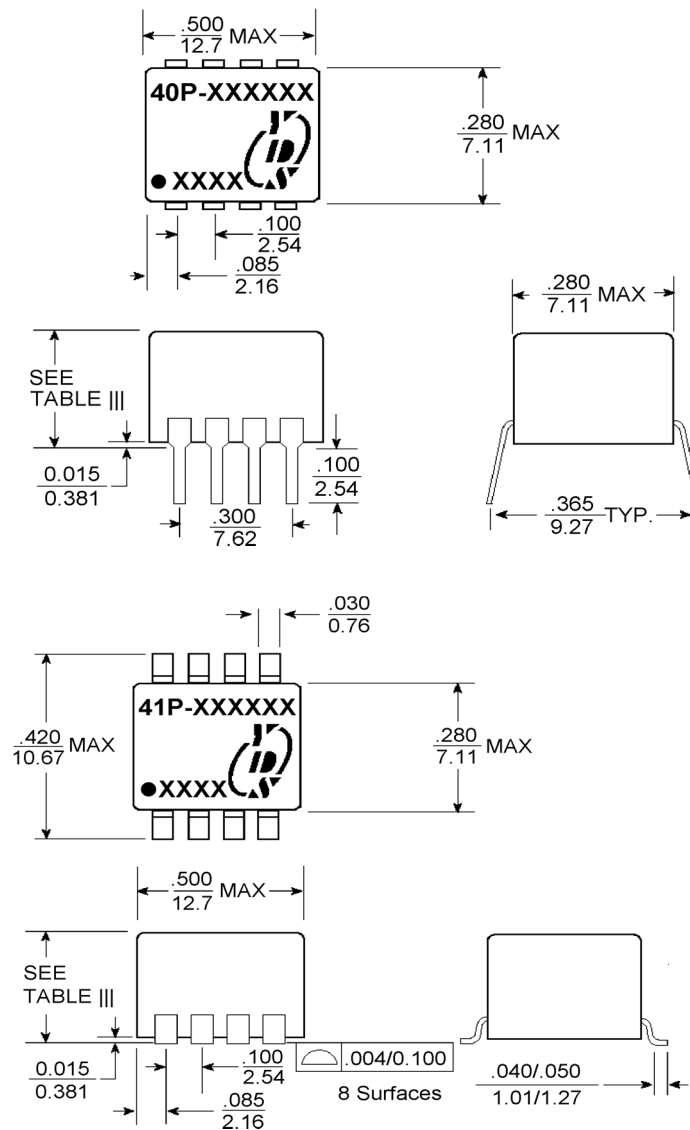
CODE	IN	20%	40%	60%	80%	OUT	GROUND
STANDARD	2	3	4	5	6	7	1,8
A	1	2	3	4	6	7	4,8
B	1	7	3	6	4	5	8
C	7	2	6	3	5	4	1,8

TABLE III

MOUNTING HEIGHT

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

Markings and Dimensions



Dimensions: inches/mm

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

Pin Connections

