

LUMPED CONSTANT DELAY LINE SERIES 0446 AND A446 10 TAP

TECHNICAL INFORMATION

TEST CONDITIONS

Pulse Width 3.0 x Total Delay
Pulse Period 4 x Pulse Width
Pulse Voltage 1 Volt
Rise Time 2.0 Nsec (10%-90%)
Ambient Temperature 25°C

PERFORMANCE CHARACTERISTICS

Distortion 10% max.

Performance Characteristics apply at
above listed Test Conditions.

ELECTRICAL CHARACTERISTICS

Operating Temperature Range

—55°C To +125°C

Temperature Coefficient

100PPM/°C Typical

Dielectric Withstanding Voltage

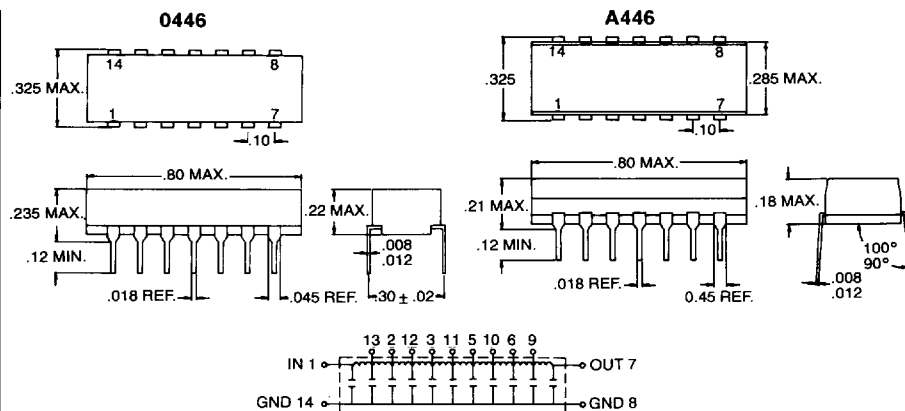
50 Volt

—Compatible with TTL and ECL circuits

—Other delays and impedances upon
request

—Untapped units available on request

—Other Pinouts Available Upon request



Total Delay ± 5%	Tap to Tap Delay	Attenuation Max.	50 OHMS *	Impedance ± 10% 100 OHMS *	200 OHMS *
5NS	.5 ± .3NS	5%	0446-0005-50 Tr = 3	0446-0005-01 Tr = 3	0046-0005-02 Tr = 3.5
10NS	1 ± .35NS	5%	0446-0010-50 Tr = 3.8	0446-0010-01 Tr = 3.8	0446-0010-02 Tr = 4
20NS	2 ± 1NS	5%	0446-0020-50 Tr = 5	0446-0020-01 Tr = 5	0446-0020-02 Tr = 5
30NS	3 ± 1NS	5%	0446-0030-50 Tr = 7	0446-0030-01 Tr = 7	0446-0030-02 Tr = 7
40NS	4 ± 1NS	5%	0446-0040-50 Tr = 8.5	0446-0040-01 Tr = 8.5	0446-0040-02 Tr = 8.5
50NS	5 ± 2NS	5%	0446-0050-50 Tr = 10	0446-0050-01 Tr = 10	0446-0050-02** Tr = 10
60NS	6 ± 2NS	8%	0446-0060-50 Tr = 12	0446-0060-01 Tr = 12	0446-0060-02 Tr = 12
70NS	7 ± 2NS	8%	0446-0070-50 Tr = 14	0446-0070-01 Tr = 14	0446-0070-02 Tr = 14
80NS	8 ± 2NS	8%	0446-0080-50 Tr = 16	0446-0080-01 Tr = 16	0446-0080-02 Tr = 16
90NS	9 ± 2NS	8%	0446-0090-50 Tr = 18	0446-0090-01 Tr = 18	0446-0090-02 Tr = 18
100NS	10 ± 3NS	10%	0446-0100-50 Tr = 20	0446-0100-01** Tr = 20	0446-0100-02 Tr = 20
150NS	15 ± 3NS	10%	0446-0150-50 Tr = 30	0446-0150-01 Tr = 30	0446-0150-02 Tr = 30
200NS	20 ± 3NS	10%	0446-0200-50** Tr = 40	0446-0200-01 Tr = 40	0446-0200-02 Tr = 40
250NS	25 ± 3NS	10%	0446-0250-50 Tr = 50	0446-0250-01 Tr = 50	0446-0250-02 Tr = 50
300NS	30 ± 3NS	10%	0446-0300-50 Tr = 60	0446-0300-01 Tr = 60	0446-0300-02 Tr = 60
400NS	40 ± 3NS	10%	0446-0400-50 Tr = 80	0446-0400-01 Tr = 80	0446-0400-02 Tr = 80
500NS	50 ± 3NS	10%	0446-0500-50 Tr = 100	0446-0500-01 Tr = 100	0446-0500-02 Tr = 100

* Auto insertable package part number starts with A446.

Rise time measured from 10% to 90% of the pulse.

** Max. delay for Auto insertable package.

Specifications Subject To Change Without Notice

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