LUMPED CONSTANT DELAY LINE 0432 PICOLINE AND 0402 SERIES

TECHNICAL INFORMATION

TEST CONDITIONS

Pulse Width	3.0 x Total Delay, 5.0 Nsec min.
Pulse Period	4 x Pulse Width
Rise Time	1.0 NSec (10%-90%)
Pulse Voltage	1 Volt
Ambient Temperature	25°C

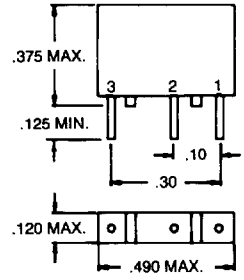
PERFORMANCE CHARACTERISTICS

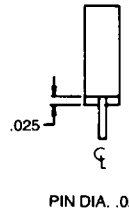
Distortion 10% max.
Performance Characteristics apply at above listed Test Conditions.

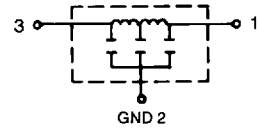
ELECTRICAL CHARACTERISTICS

Operating Temperature Range
– 55°C To 125°C
Temperature Coefficient Of Total Delay
100PPM/°C Typical
Dielectic Withstanding Voltage
50 Volt DC
Operation
Bidirectional

—Compatible with TTL and ECL circuits
—Other delays and impedances upon request
—Gold coated pins for excellent conductivity for time delays of 100 to 1000 PS.







Part Number	Time Delay	*Rise Time	DCR Max (OHMS)	$Z_0 \pm 10\%$ (OHMS)
0432-0100-55	100 ± 50 PS	0.9 NS	0.20	55
0432-0200-55	200 ± 50 PS	0.9 NS	0.20	55
0432-0300-55	300 ± 50 PS	0.9 NS	0.20	55
0432-0400-55	400 ± 50 PS	1.0 NS	0.20	55
0432-0500-55	500 ± 50 PS	1.0 NS	0.22	55
0432-0600-55	600 ± 60 PS	1.1 NS	0.24	55
0432-0700-55	700 ± 70 PS	1.2 NS	0.26	55
0432-0800-55	800 ± 80 PS	1.3 NS	0.28	55
0432-0900-55	900 ± 90 PS	1.4 NS	0.30	55
0432-1000-55	1000 ± 100 PS	1.5 NS	0.30	55

*Rise time measured from 20% to 80% of the pulse.

Part Number 55 OHMS ± 10%	Part Number 93 OHMS ± 10%	Time Delay	*Rise Time	DCR Max (OHMS)
0402-0001-55	0402-0001-93	1 ± .2NS	1.6NS	0.20
0402-0002-55	0402-0002-93	2 ± .2NS	1.6NS	0.25
0402-0003-55	0402-0003-93	3 ± .2NS	1.7NS	0.37
0402-0004-55	0402-0004-93	4 ± .2NS	1.7NS	0.50
0402-0005-55	0402-0005-93	5 ± .25NS	1.8NS	0.62
0402-0006-55	0402-0006-93	6 ± .3NS	2.0NS	0.75
0402-0007-55	0402-0007-93	7 ± .3NS	2.2NS	0.80
0402-0008-55	0402-0008-93	8 ± .3NS	2.4NS	0.85
0402-0009-55	0402-0009-93	9 ± .3NS	2.6NS	0.90
0402-0010-55	0402-0010-93	10 ± .3NS	2.8NS	0.95

*Rise Time measured from 20% to 80% of the pulse.

Specifications Subject To Change Without Notice