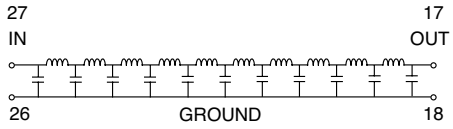
SMD 28 Pin Gull-Wing Passive Delay Lines

Zo Ohms ± 10%	Delay nS ± 5% or ± 2 nS	Tap Delays nS	Rise Time nS Max.	Atten. DB% Max.	Gull-Wing PCA Part Number
50	2.5	-----	0.5	2 %	EPA3252-2.5
50	8	-----	1.8	2 %	EPA3252-8
50	10	-----	2.0	2 %	EPA3252-10
50	12	-----	2.4	2 %	EPA3252-12
50	20	-----	5	2 %	EPA3252-20
50	25	-----	5	2 %	EPA3252-25
50	30	-----	6	2 %	EPA3252-30
50	35	-----	7	2 %	EPA3252-35
50	40	-----	8	2 %	EPA3252-40
50	45	-----	9	2 %	EPA3252-45
50	50	-----	10	2 %	EPA3252-50
50	60	-----	12	2 %	EPA3252-60
50	75	-----	15	4 %	EPA3252-75
50	100	-----	20	4 %	EPA3252-100
50	125	-----	25	7 %	EPA3252-125
50	150	-----	30	8 %	EPA3252-150
50	175	-----	35	10 %	EPA3252-175
50	200	-----	40	10 %	EPA3252-200
50	225	-----	45	10 %	EPA3252-225
50	250	-----	50	12 %	EPA3252-250

DC Electrical Characteristics	Min	Max	Unit
Distortion		±10	%
Temperature Coefficient of Delay		100	PPM/°C
Insulation Resistance @ 100 Vdc	1K		Meg Ohms
Dielectric Strength		100	Vdc

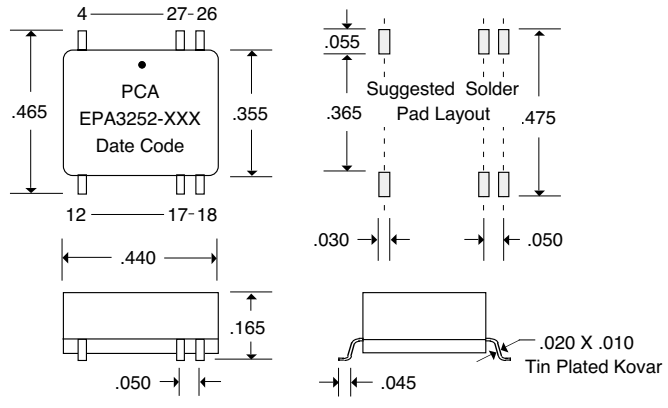
Schematic



Recommended Operating Conditions		Min	Max	Unit
P_W*	Pulse Width % of Total Delay	200		%
D*	Duty Cycle		40	%
T_A	Operating Free Air Temperature	0	70	°C

**These two values are inter-dependent.*

SMD Gull-Wing Package



Input Pulse Test Conditions @ 25°C		
V_{IN}	Pulse Input Voltage	10 Volts
P_W	Pulse Width % of Total Delay	300 %
T_{RI}	Input Rise Time (10 - 90%)	2.0 nS
P_{RR}	Pulse Repetition Rate @ Td ≤ 150 nS	1.0 MHz
	Pulse Repetition Rate @ Td > 150 nS	300 KHz

Unless Otherwise Noted Dimensions in Inches
Tolerances:
Fractional = ± 1/32
.XX = ± .030 .XXX = ± .010

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