

8 Pin Mini DIP and Mini DIL 5 Tap TTL Compatible Active Delay Lines

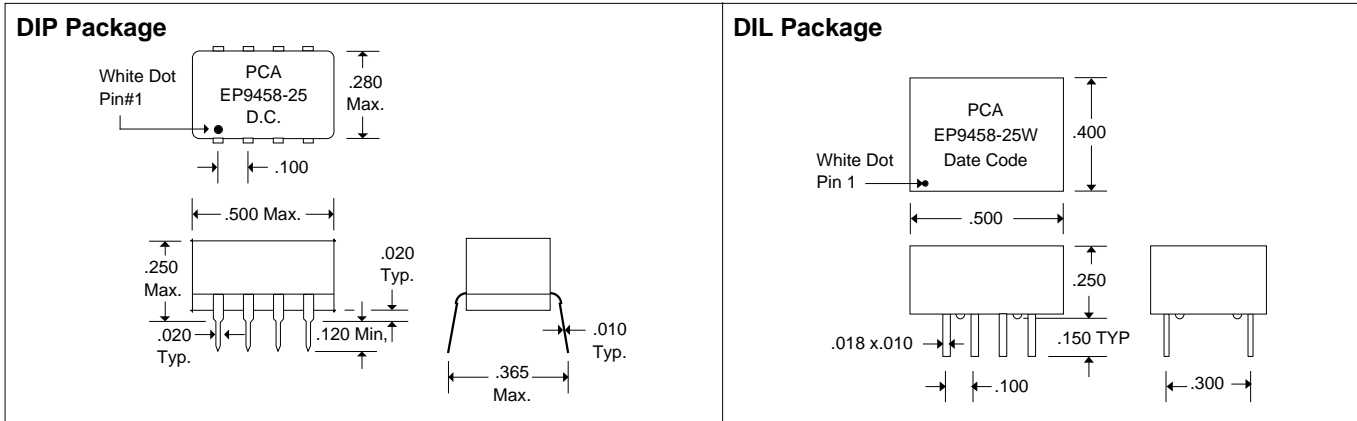
Delays are $\pm 5\%$ or ± 2 nS† Tap	DIP Part Number	DIL Part Number	Delays are $\pm 5\%$ or ± 2 nS† Tap	DIP Part Number	DIL Part Number
5, 10, 15, 20	EP9458-25	EP9458-25W	30, 60, 90, 120	EP9458-150	EP9458-150W
6, 12, 18, 24	EP9458-30	EP9458-30W	35, 70, 105, 140	EP9458-175	EP9458-175W
7, 14, 21, 28	EP9458-35	EP9458-35W	40, 80, 120, 160	EP9458-200	EP9458-200W
8, 16, 24, 32	EP9458-40	EP9458-40W	45, 90, 135, 180	EP9458-225	EP9458-225W
9, 18, 27, 36	EP9458-45	EP9458-45W	50, 100, 150, 200	EP9458-250	EP9458-250W
10, 20, 30, 40	EP9458-50	EP9458-50W	60, 120, 180, 240	EP9458-300	EP9458-300W
12, 24, 36, 48	EP9458-60	EP9458-60W	70, 140, 210, 280	EP9458-350	EP9458-350W
15, 30, 45, 60	EP9458-75	EP9458-75W	80, 160, 240, 320	EP9458-400	EP9458-400W
20, 40, 60, 80	EP9458-100	EP9458-100W	90, 180, 270, 360	EP9458-450	EP9458-450W
25, 50, 75, 100	EP9458-125	EP9458-125W	100, 200, 300, 400	EP9458-500	EP9458-500W

† Whichever is greater. Delay times referenced from input to leading edges at 25°C, 5.0V, with no load.

DC Electrical Characteristics			Schematic		
Parameter	Test Conditions	Min	Max	Unit	
V_{OH}	High-Level Output Voltage	$V_{CC} = \text{min.}$	2.7	V	
V_{OL}	Low-Level Output Voltage	$V_{CC} = \text{min.}$	0.5	V	
V_{IK}	Input Clamp Voltage	$V_{CC} = \text{min.}$	-1.2	V	
I_{IH}	High-Level Input Current	$V_{CC} = \text{max.}$	50	μA	
I_{IL}	Low-Level Input Current	$V_{CC} = \text{max.}$	1.0	mA	
I_{OS}	Short Circuit Output Current	$V_{CC} = \text{max.}$	-2	mA	
I_{CCH}	High-Level Supply Current	$V_{CC} = \text{max.}$	-40	mA	
I_{CCL}	Low-Level Supply Current	$V_{CC} = \text{max.}$	-100	mA	
T_{RO}	Output Rise Time	$V_{CC} = \text{max.}$	75	nS	
N_H	Fanout High-Level Output	$V_{CC} = \text{max.}$	75	mA	
N_L	Fanout Low-Level Output	$V_{CC} = \text{max.}$	4	nS	
		$V_{CC} = \text{max.}$	20 TTL LOAD	10 TTL LOAD	

Recommended Operating Conditions			Input Pulse Test Conditions @ 25° C			Unit	
Parameter	Min	Max	Unit	Parameter	Min	Max	Unit
V_{CC}	4.75	5.25	V	E_{IN}	3.2		Volts
V_{IH}	2.0		V	PW	110		%
V_{IL}		0.8	V	T_{RI}	2.0		nS
I_{IK}		-18	mA	PRR	1.0		MHz
I_{OH}		-1.0	mA	V_{CC}	5.0		Volts
I_{OL}		20	mA				
PW^*	40		%				
d^*		40	%				
T_A	0	+70	°C				

*These two values are inter-dependent.



DSD9458 Rev. A 2/5/96

QAF-CS01 Rev. B 8/25/94

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



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