

16 Pin 5 Tap TTL Compatible Logic Delay Line Modules

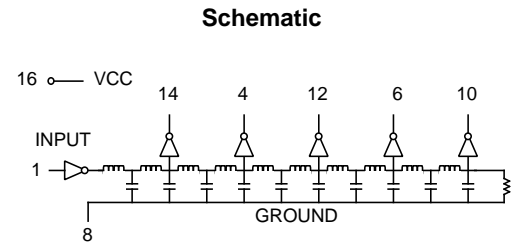
EP1212XXA & EP1212XXA-RC

Add "-RC" after part number for RoHS Compliant

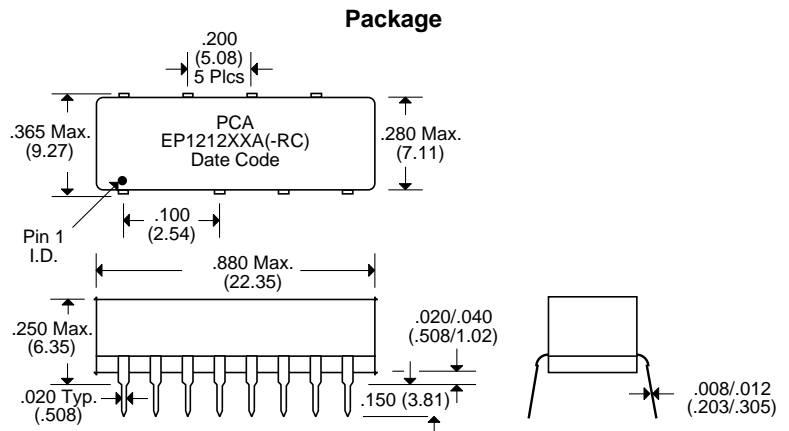
PCA Part Number	Tap Delays ($\neq \pm 10\%$ or $\pm 2\text{nS}$)	Total Delay (nS)	Output Rise Time (nS Max.)	Pulse Width (nS)	LL-TT (nS Max.)
EP121215A(-RC)	5	25 \pm 2	3	40 \pm 2	2.0
EP121216A(-RC)	10	50 \pm 2.5	3	40 \pm 4	4.0
EP121217A(-RC)	20	100 \pm 5	3	40 \pm 4	4.0
EP121218A(-RC)	30	150 \pm 7.5	4	60 \pm 10	10.0
EP121219A(-RC)	40	200 \pm 10	4	60 \pm 10	10.0
EP121220A(-RC)	50	250 \pm 12.5	4	100 \pm 10	12.5

• † Which ever is greater • Delay times referenced from input @ 25°C, 5.0 Vdc. • Test Frequency is 1.0 MHz •

DC Electrical Characteristics		Test Conditions	Min.	Max.	Unit
V _{OH}	High-Level Output Voltage	V _{CC} = min. V _{IL} = max. I _{OH} = max	2.7		V
V _{OL}	Low-Level Output Voltage	V _{CC} = min. V _{IH} = min. I _{OL} = max		0.5	V
V _{IK}	Input Clamp Voltage	V _{CC} = min. I _I = I _{IK}		-1.2	V
I _{IH}	High-Level Input Current	V _{CC} = max. V _{IN} = 2.7V		50	µA
		V _{CC} = max. V _{IN} = 5.25V		1.0	mA
I _{IL}	Low-Level Input Current	V _{CC} = max. V _{IN} = 0.5V		-2	mA
I _{OS}	Short Circuit Output Current	V _{CC} = max. V _{OUT} = 0.	-40	-100	mA
		(One output at a time)			
I _{CCH}	High-Level Supply Current	V _{CC} = max. V _{IN} = OPEN		75	mA
I _{CCL}	Low-Level Supply Current	V _{CC} = max. V _{IN} = 0		75	mA
N _H	Fanout High-Level Output	V _{CC} = max. V _{OH} = 2.7V		20 TTL Load	
N _L	Fanout Low-Level Output	V _{CC} = max. V _{OL} = 0.5V		10 TTL Load	



Recommended Operating Conditions		Min.	Max.	Unit
V _{CC}	Supply Voltage	4.75	5.25	V
V _{IH}	High-Level Input Voltage	2.0		V
V _{IL}	Low-Level Input Voltage		0.8	V
I _{IK}	Input Clamp Current		-18	mA
I _{OH}	High-Level Output Current		-1.0	mA
I _{OL}	Low-Level Output Current		20	mA



Notes :	EP1212XXA	EP1212XXA-RC
1. Lead Finish	SnPb	Hot Tin Dip (Sn) †
2. Peak Solder Rating (for wave solder process Only)	225°C	260°C
3. Weight	3.4 grams	3.4 grams
4. Packaging Information (Tube)	TBD pcs / tube	TBD pcs / tube

† Lead Material : Matte Tin with Ni Barrier

Unless Otherwise Specified Dimensions are in Inches /mm $\pm .010 / .25$