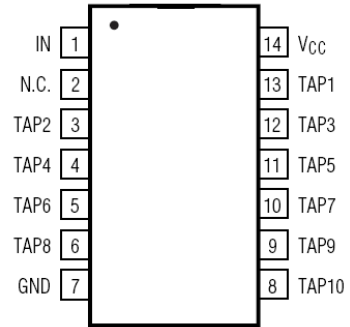


➤ **Features ver1.0**

Can Customize Precision Delay Between 10ns and 500ns to Customer.  
 Customized Delay Steps  
 15% of Delay Variety Between -55°C and 125°C  
 Can Instead of DS1110L Series of Chips of MAXIM Company

➤ **Description**

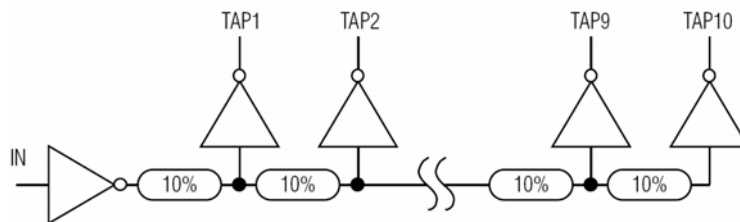
Delay line circuit is mainly used in the digital signal's precision delay. It can supply precision delay between 10ns to 500ns. Delay step and delay scope can be customized. The delay temperature shift is under 15% of delay variety between -55°C and 125°C. This delay line circuit can be instead of DS1110L series of chips of MAXIM company. We will develop the relevant TTL, LVDS input and output ports according to customers' requirements as soon as possible



➤ **Typical Electrical Specification at - 55°C ~ 125°C**

Characteristic	Min.	Typ.	Max.	Unit
Power Voltage $V_{CC}$	4.5	5	5.5	V
Input High Frequency	2.8			V
Input Low Frequency			0.8	V
Input Frequency			20	MHz
Input Width of Venation	10			ns

➤ **Circuit Elements Picture**



Defferent TAP1 ~ TAP10 through delay line circuit makes different size of delay

➤ **Working Condition**      ➤ **Absolute Maximum Ratings**

**Recommendation**

Item	Value
Power	5V
Signal	0V, 5V
Operation Temperature	-55°C to 125°C

Item	Value
Power Voltage	-0.3V~7V
Signal Voltage	-0.5V, 5.5V
Storage Temperature	-65°C to 150°C
Terminal Temperature	150°C