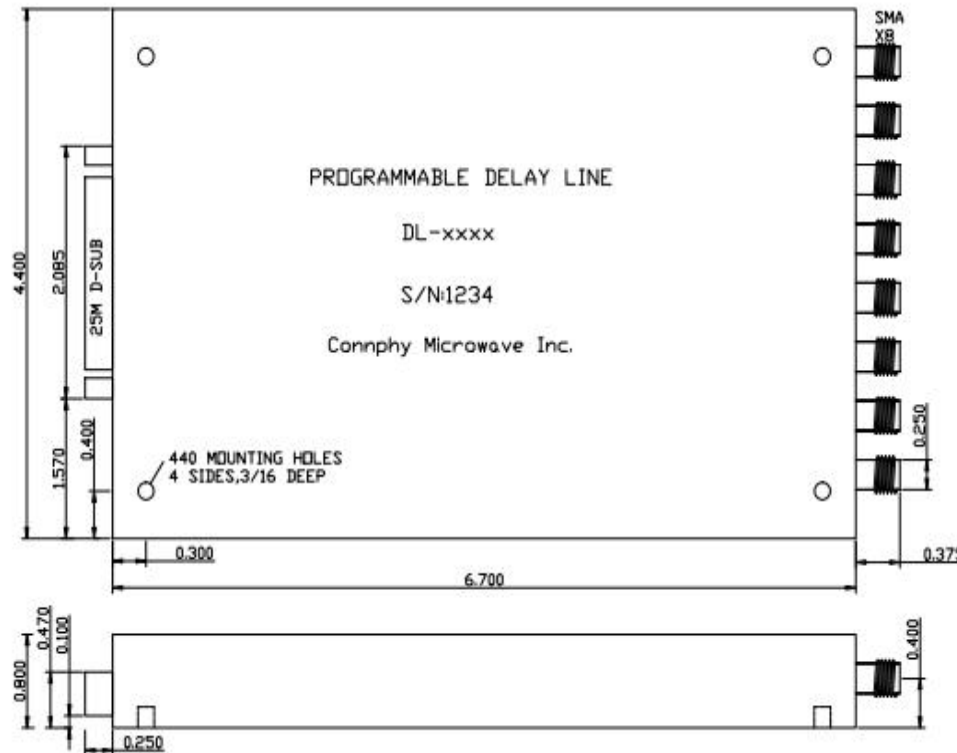


DL-DC3G-10-5-Q is a four channel delay line, which is programmable, designed for adjusting the time delay or phase of radio, microwave or even digital signals with bandwidths from DC to 3 GHz.

Features:

- frequency range: DC~3G, with 4 independent channels
- 10 bits range
- Step size option: 5ps, 10ps, or 20ps; XX-XX-5-Q for 5ps step size.
- Time or phase shifting, with very compact size

Mechanical Outline(Inch):




Environmental Ratings:

- Temperature: -25°C to +80 °C Operating
-65 °C to +100 °C Non-Operating
- Vibration: MIL-STD-810F, Method 514.5 Cond. B
- Altitude: MIL-STD-202F, Method 105C Cond. B
- Temperature Cycle: MIL-STD-202F, Method 107D Cond. A

Specifications:

- Bandwidth(4dB): 3 GHz
- Step size(ps): 5, 10, 20 optional,
eg: DL-DC3G-10-5-Q for 5ps step
- size
- Channels: 4 independent channels
- Accuracy: 1 LSB
- VSWR max: 1.3 for DC to 2 GHz
1.5 for 2 to 3 GHz
- Insertion loss: <6.0 dB DC to 2 GHz
<8 dB 2 to 3 GHz
+0.18 dB/ns at 2 GHz
- Linearity: +0.3 dB DC to 2 GHz
+0.6 dB 2 to 3 GHz
- Dispersion (1-3GHz): -0.0007 x (total delay)
- Insertion delay: 2.0 ns
- Control data latch setup time: 1.5 ns
- Control data latch hold time: 4.5 ns
- Control propagation delay : 28 ns Max
- Delay-state switch time: 30 ns
- Input power: 20 dBm

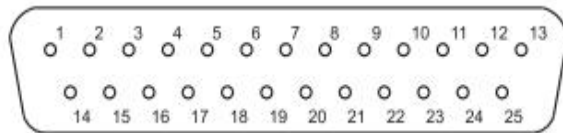
Delay Line DL-DC3G-10-5-Q			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 15/03/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

DL-DC3G-10-5-Q is a four channel delay line, which is programmable, designed for adjusting the time delay or phase of radio, microwave or even digital signals with bandwidths from DC to 3 GHz.


Features:

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Pin Definition:



- 1-10 DO - D9 respectively active high
- 11 A3 "4"
- 12 A1 "2"
- 13 NC
- 14-17 +5.0V Power
- 18-21 Ground
- 22 DS = Device Select active low
- 23 WE = Write Enable active low
- 24 A2 "3"
- 25 A0 "1" Channel select, active high

Delay Line DL-DC3G-10-5-Q			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 15/03/15	SHEET : 2 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.