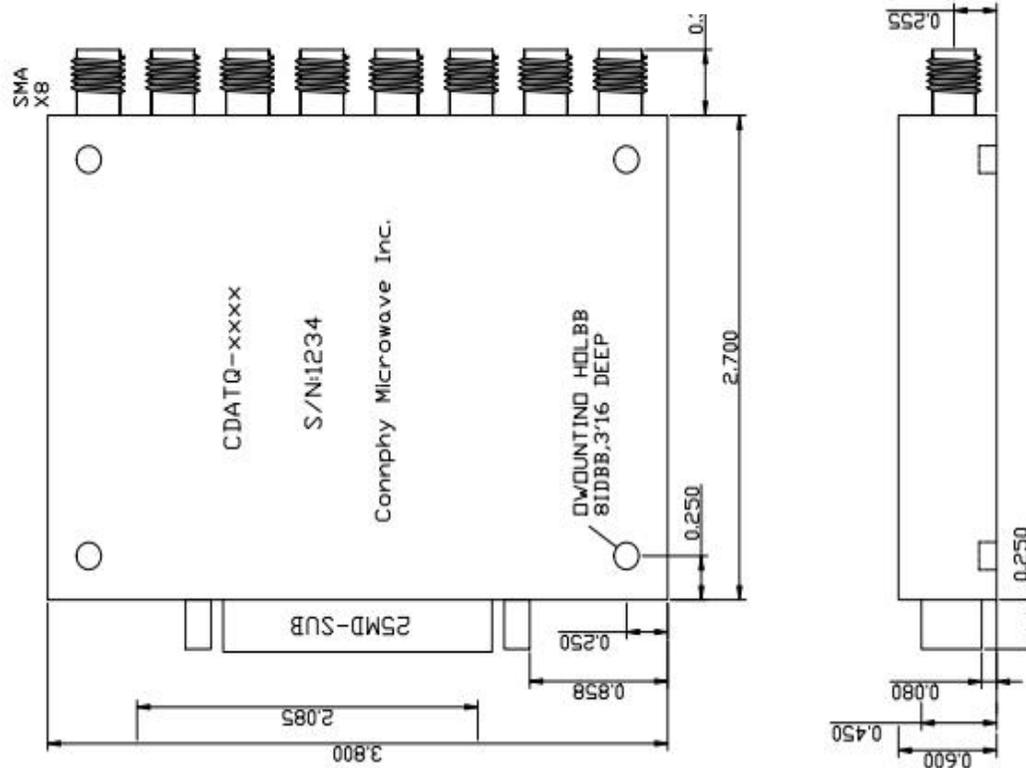


DL-DC6G-7-5-Q is a four channel delay line, which is programmable, designed for adjusting the time delay or phase of radio, microwave or even digital signals with bandwidths from DC to 6 GHz.

Features:

- Frequency range: DC~6G, with 4 independent channels;
- 7 bits range;
- Step size option: 5ps, 10ps, or 20ps; XX-XX-5 for 5ps step size;
- Time or phase shifting, with very compact size

Mechanical Outline:



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): 6 GHz
- Step size(ps): 5, 10, 20 optional,
eg: DL-DC3G-10-5 for 5ps step

- size
- Channels: 4 independent channels
- Isolation: > 63 dB
- Accuracy: 1 LSB
- VSWR max: 1.3 for DC to 5 GHz;
1.5 for 5 to 6 GHz
- Insertion loss: <7.0 dB DC to 5 GHz
<8 dB 5 to 6 GHz
- Linearity: +0.3 dB DC to 3 GHz
+0.4dB 3 to 4 GHz
+0.7dB 5 to 6 GHz
- Dispersion (1-4GHz): -0.0007 x (total delay)
- Insertion delay: 0.5 ns
- Control signal setup time for latching: 0 ns
- Control propagation delay: 12 ns Max
- Delay-state switch time: 80 ns

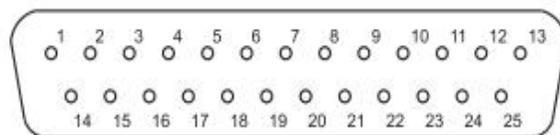
Delay Line DL-DC6G-7-5-Q			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 15/03/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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Pin Definition:



- 1-7 _____ DO - D6 respectively active high
- 8-10, 13 _____ NC
- 11 _____ A3 "4" "
- 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
- 12 _____ A1 "2" "

Delay Line DL-DC6G-7-5-Q			
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