

CDAT-0.2G6G-95-7 is an digital controlled attenuator that operates over the 0.2 to 6.0 GHz frequency range. This model utilizes 7 bits control, the corresponding attenuation is 95 dB.

Features:

- Wide Bandwidth
- Fast Response
- Low VSWR
- Miniature Size

Specifications:

Frequency Range: 0.2-6.0 GHz
 Attenuation Range: 95 dB Max
 Insertion Loss: 7.0 dB Typ, 8.0 dB Max
 Attenuation Flatness: +/-0.50dB 1-7dB
 +/-1.00dB 8-11dB
 +/-1.25dB 12-95dB
 VSWR: 1.6:1 Typ, 2.0:1 Max
 Control Bits: 7 bits
 Least Significant Bit (LSB): 1 dB
 Control Logic: TTL
 Power Handling: +20 dBm CW Max
 Power Supply: +5 V @ 40 mA Typ
 Switching Time: 1 us Max

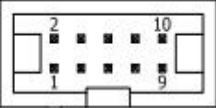
Environmental Ratings:

Temperature: -45°C to +85 °C Operating
 -55 °C to +125 °C Non-Operating
 Vibration: MIL-STD-202F, Method 204D Cond. B
 Altitude: MIL-STD-202F, Method 105C Cond. B
 Temperature Cycle: MIL-STD-202F, Method 107D Cond. A

Mechanical Specifications:


Parameter	Specification
Dimensions WxHxD	2.50X2.50X0.48 inches
RF Connectors In/Out	SMA-Female
DC Connector	30310-6002HB
Material	Aluminum

DC Connector PIN Assignment:

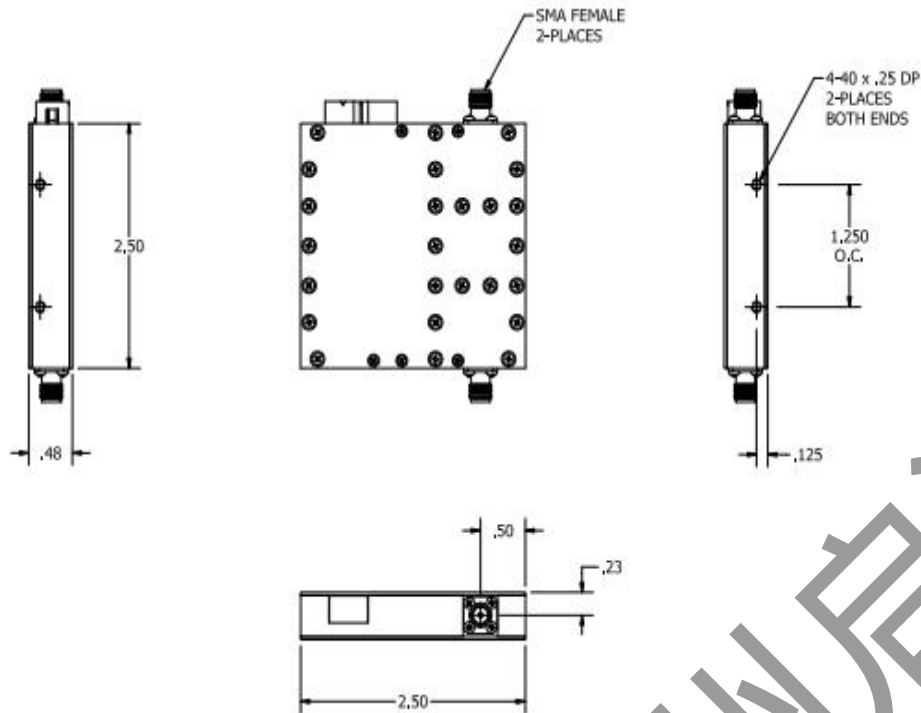
Pin	Function	Pin Definition
1-7	Bit1-Bit7	
8	NC	
9	+5 V	
10	GND	

Digital Control PIN Attenuators

CDAT-0.2G6G-95-7

DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@qiidao.com
CHECKRD:	DATE: 08/07/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Mechanical Outline (Inches):



Truth Table :


Control TTL Input for 6 bits resolution							Attenuation
Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	
0	0	0	0	0	0	0	Reference
0	0	0	0	0	0	1	1.0 dB
0	0	0	0	0	1	0	2.0 dB
0	0	0	0	1	0	0	4.0 dB
0	0	0	1	0	0	0	8.0 dB
0	0	1	0	0	0	0	16.0 dB
0	1	0	0	0	0	0	32.0 dB
1	0	0	0	0	0	0	32.0 dB
1	1	1	1	1	1	1	95.0 dB

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CHECKRD:	DATE: 08/07/15	SHEET : 2 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
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