

CDAT-0.2G6G-63-6 is an digital controlled attenuator that operates over the 0.2 to 6.0GHz frequency range. This model utilizes 6 bits control, the corresponding attenuation is 0-63db.

Features:

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

Specifications:

Frequency Range: 0.2-6.0 GHz
 Attenuation Range: 63 dB Max
 Insertion Loss: 5.5 dB Max
 Attenuation Flatness: +/-0.50 dB 1-7 dB
 +/-1.00 dB 8-11 dB
 +/-1.25 dB 12-63 dB
 VSWR: 1.8:1 Max
 Control Bits: 6 bits
 Least Significant Bit (LSB): 1 dB
 Control Logic: TTL
 Power Handling: +27 dBm CW Max
 Power Supply: +5 V @ 50 mA Typ
 Switching Time: 1us 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:

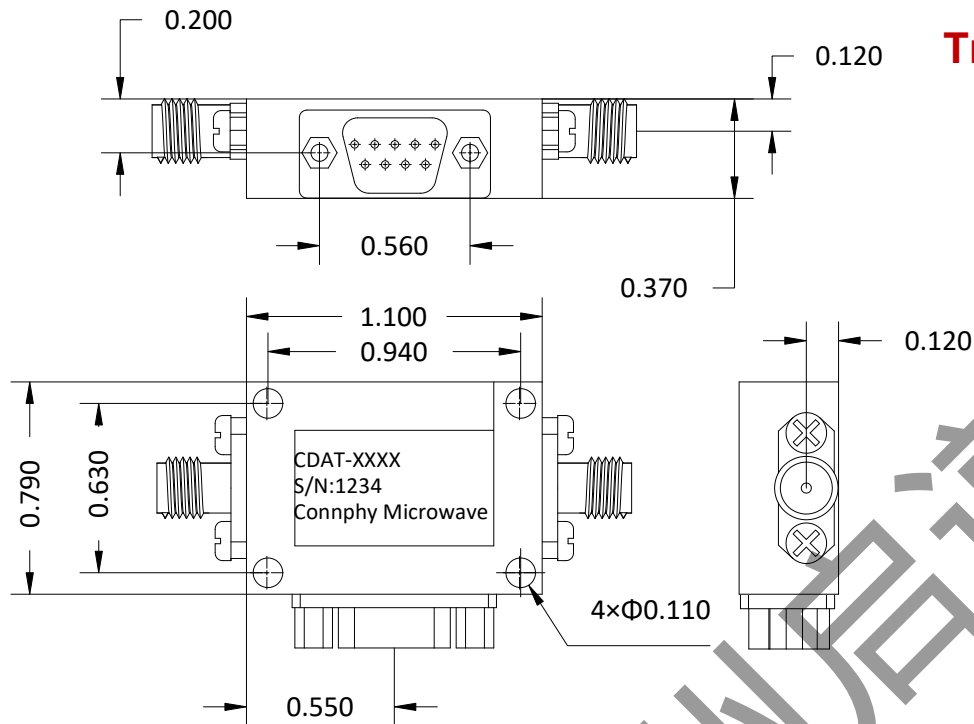
Parameter	Specification
Dimensions WxHxD	1.1X0.878X0.374 inches
RF Connectors In/Out	SMA-Female
DC Connector	Micro-D9
Material	Aluminum\GoldPainting

DC Connector PIN Assignment:

Pin	Function	Pin Definition
1	+5V	
2	GND	
3	NC	
4-9	Bit1-Bit6	

Digital Control PIN Attenuators CDAT-0.2G6G-63-6			
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:	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Mechanical Outline (Inches) :



Truth Table :


Control TTL Input for 6 bits resolution						Attenuation RF1-RF2
Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	
0	0	0	0	0	0	Reference
0	0	0	0	0	1	1.0 dB
0	0	0	0	1	0	2.0 dB
0	0	0	1	0	0	4.0 dB
0	0	1	0	0	0	8.0 dB
0	1	0	0	0	0	16.0 dB
1	0	0	0	0	0	32.0 dB
1	1	1	1	1	1	63.0 dB

Environmental Ratings:

Temperature:	-45°C to +85 °C Operating -55 °C to +125 °C Non-Operating
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Digital Control PIN Attenuators

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