

CDAT-2M7G-63-6 is an digital controlled attenuator that operates over the 2 MHz to 7 GHz frequency range. This model utilizes 6 bits control, the corresponding attenuation is 0-63db.

Features:

- Very wide band operation 2 MHz-7 GHz
- 63db attenuation range
- Low step and accumulated error

Specifications:

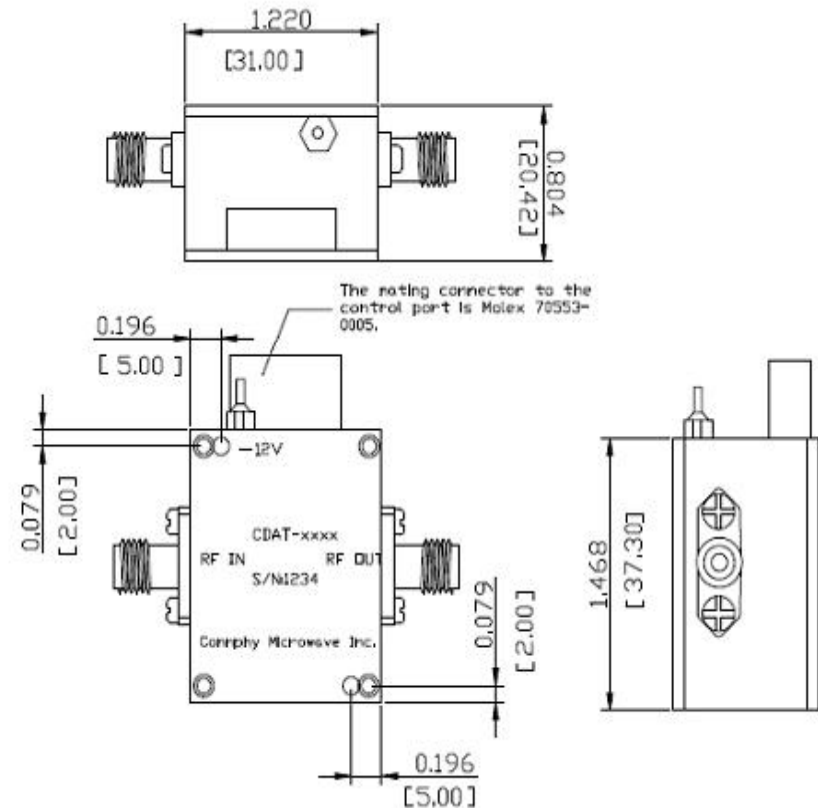
Frequency Range:	2 MHz-7 GHz
Attenuation Range:	0 to 63 dB
Insertion Loss:	7.0 dB Max
Accuracy:	+/- 0.3 + 3% of attenuation setting 0-15 dB +/- 0.3 + 5% of attenuation setting 16-63 dB
VSWR:	2.0:1 Max
Control bits:	6 Bit
Step:	1,2,4,8,16,32 dB
Control Logic:	TTL high on
Operating Input Power:	+27 dBm CW Typ.
DC voltage:	-12 V @50 mA
Connector:	SMA female
Switching speed:	90 ns Typ


Notes:Attenuation is failsafe to "0" setting in the absence of a control voltage as long as the -12 V is applied.Application of voltage (+) to a particular cell causes it to switch to the attenuate position. These levels are compatible with TTL levels, The threshold for a high is 2 V.

Environmental Ratings:

Temperature:	-25°C to +71 °C Operating -65 °C to +100 °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 Outline (inch/mm):



Digital Controlled Attenuator CDAT-2M7G-63-6			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 08/07/15	SHEET : 1 OF 1	
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.