

NOTES: UNLESS OTHERWISE SPECIFIED  
THIS IS A CAD GENERATED DRAWING, DO NOT REVISE MANUALLY

REVISION HISTORY					
ZONE	REV	DESCRIPTION	E.C.O.NO	DATE	APPROVED
	1	ENGINEERING RELEASE			

真值表 Truth Table

Control Voltage TTL Input for 8 bits resolution								Attenuation
Bit 8	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	
0	0	0	0	0	0	0	0	Reference
0	0	0	0	0	0	0	1	0.25 dB
0	0	0	0	0	0	1	0	0.5 dB
0	0	0	0	0	1	0	0	1 dB
0	0	0	0	1	0	0	0	2 dB
0	0	0	1	0	0	0	0	4 dB
0	0	1	0	0	0	0	0	8 dB
0	1	0	0	0	0	0	0	16 dB
1	0	0	0	0	0	0	0	32 dB
1	1	1	1	1	1	1	1	64 dB

## LDA-4011

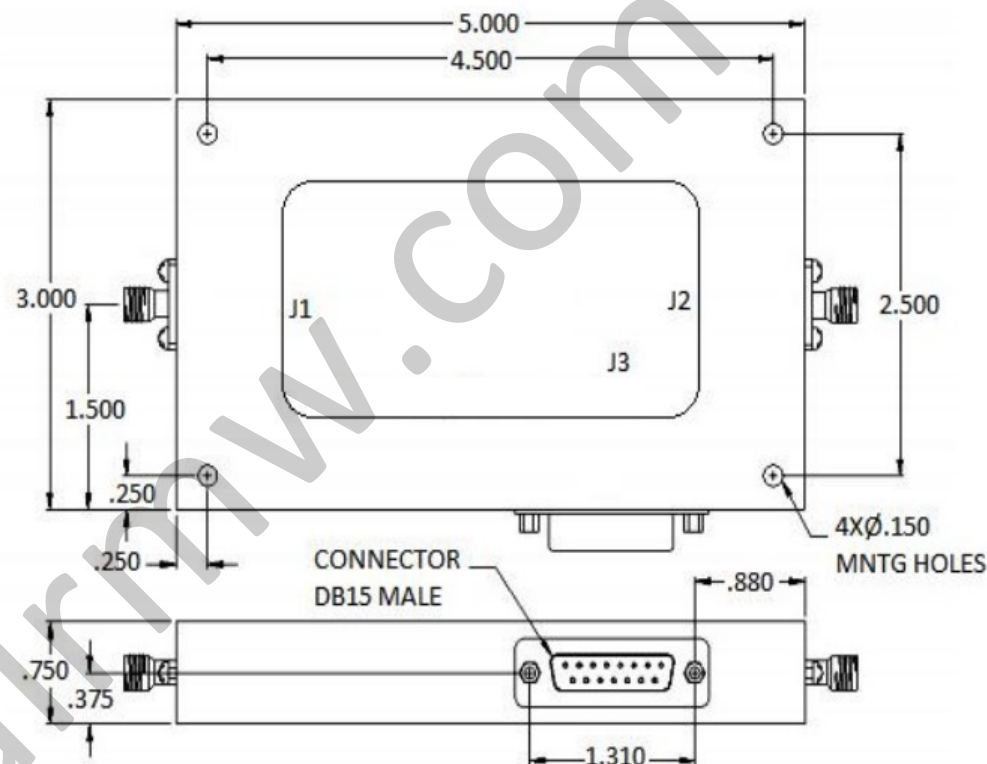
2.0 - 4.0GHz 数控衰减器 Digital Controlled Attenuator

### —电气技术参数 Electrical Specifications—

频率范围 Frequency Range:	2.0 - 4.0GHz
衰减范围 Attenuation Range:	64dB
插入损耗 Insertion Loss:	6.5dB Max
输入驻波比 Input VSWR:	2.0:1 Max
输出驻波比 Output VSWR:	2.0:1 Max
最小步进 Least Significant Bit (LSB):	0.25dB
控制逻辑 Control Logic:	TTL
直流供电 Power Supply:	± 5V@300mA Typ
切换时间 Switching Time:	600 ns Typ
工作温度 Operating Temperature:	-25 ~ +85°C
存储温度 Storage Temperature:	-55 ~ +125°C

### —机械技术参数 Mechanical Specification—

输入连接器 Input Interface:	SMA-F
输出连接器 Out Interface:	SMA-F
尺寸 Size (excluding connectors):	5.00x3.00x0.75 inches
直流连接器 DC Connector:	D-SUB 15 Pin (Male)

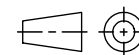


直流连接器 DC Connector PIN Assignment

Pin	Function	Pin Definition
1-8	Bit1-Bit8	
9-12	NC	
13	+5V	
14	-5V	
15	GND	

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE MILLIMETER  
TOLERANCES ARE:  
DECIMALS ANGLES FRACTIONS  
.XX±0.1 ±1' ±2/5  
.XXX±0.03  
.XXX±0.012

HOLE DIAMETER	TOLERANCES
.35 TO 3.20	+.05/-0.2
3.21 TO 6.35	+.10/-0.3
6.36 TO 12.70	+.15/-0.3
12.71 TO 19.05	+.20/-0.3
19.06 TO 25.40	+.25/-0.3
25.41 TO 50.80	+.30/-0.3



Approvals	DATE
DRWN	
ENG	
CHK	
Q.A.	



www.lairmw.com sales@lairmw.com

P/N: LDA-4011

2.0-4.0 GHz 数控衰减器 Digital Controlled Attenuator  
最小步进 LSB 0.25dB

SIZE	CAGE NO	DWG NO.	REV
A3			1
SCALE	UNIT	SHEET 1 OF 1	
3:2	mm		