

**DESCRIPTION:**

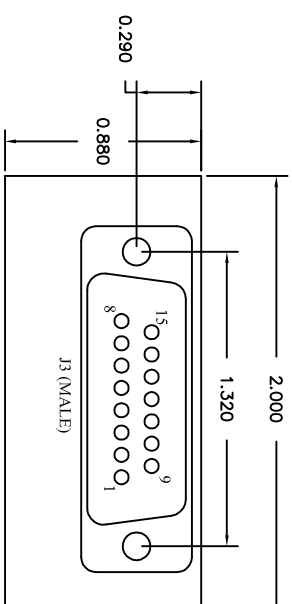
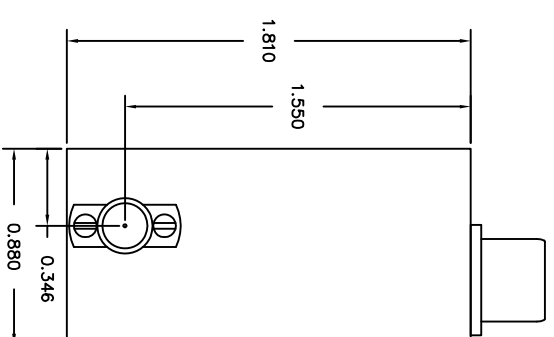
PMI MODEL NUMBER DTA-100M40G-30-CD-1 IS A 5 BIT PROGRAMMABLE 30 DB PIN DIODE ATTENUATOR WITH STEP RESOLUTION OF 1 DB OVER THE FREQUENCY RANGE OF 100 MHZ TO 40 GHz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	2/11/11	

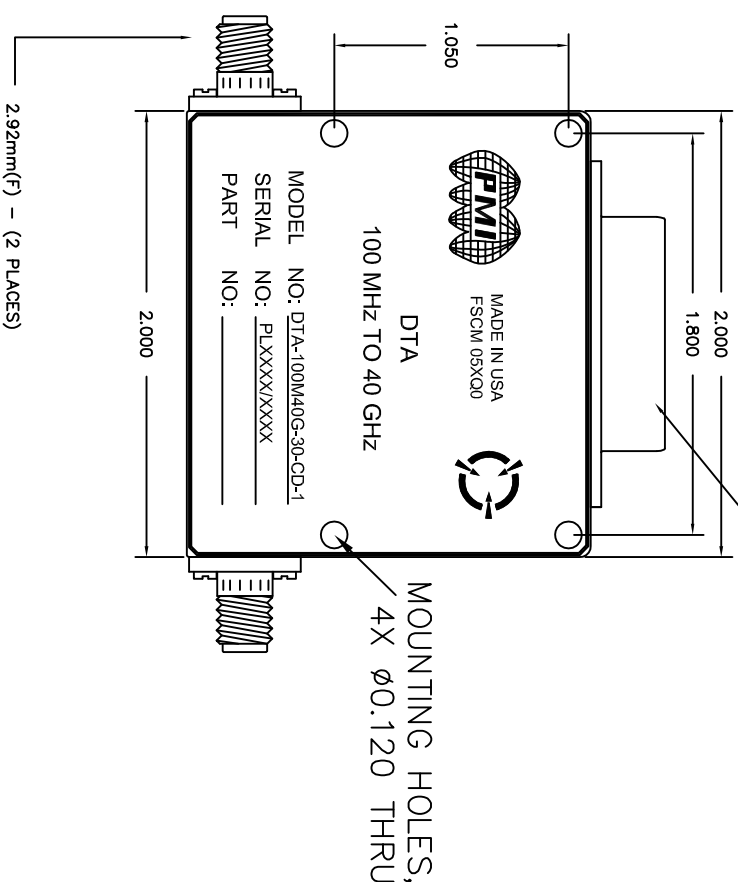
**SPECIFICATIONS:**

- FREQUENCY: . . . . . 100 MHZ TO 40 GHz
- MEAN ATTENUATION RANGE . . . . . 30dB
- INSERTION LOSS . . . . . 5.0 dB TYP (UP TO 20GHz)  
8.0 dB TYP (UP TO 40GHz)
- VSWR: . . . . . 2.5:1
- ACCURACY OF ATTENUATION . . . . . ±2.5 dB TYP
- MINIMUM ATTENUATION STEP . . . . . 1.0 dB
- POWER HANDLING CAPABILITY: . . . . . +24 dBm CW MAX
- INPUT 1dB COMPRESSION: . . . . . +20dBm TYP
- SWITCHING TIME
  - ON TIME . . . . . 1.0 USEC MAX
  - OFF TIME . . . . . 0.5 USEC MAX
- POWER SUPPLY . . . . . 15V @ 50mA  
-15V @ 50 mA
- CONNECTORS . . . . . (2) 2.92MM(F) & 15 PIN D-SUB
- WEIGHT . . . . . 3.0 oz (85 gm) Approximate
- FINISH . . . . . PAINTED GREY

PIN NO:	J3 PIN FUNCTIONS
1	GND
2	N.C.
3	2.0 dB
4	GND
5	4.0 dB
6	8.0 dB
7	16.0 dB
8	N.C.
9	N.C.
10	N.C.
11	N.C.
12	N.C.
13	+V
14	-V
15	1.0 dB (LSB)



ITT CANNON DA-15P OR EQUIV. WITH DT10551 JACKPOSTS MATING CONNECTORS PROVIDED



- LOGIC INPUT
- LOGIC "0" (BIT OFF) . . . . . 0 to +0.8V
- LOGIC "1" (BIT OFF) . . . . . +2.0 to +5.0V

**ENVIRONMENTAL RATINGS:**

- TEMPERATURE: . . . . . -50°C TO +85°C (OPERATING)  
-65°C TO +125°C (STORAGE)
- HUMIDITY: . . . . . MIL-STD-202F, METHOD 103B COND. B
- SHOCK: . . . . . MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: . . . . . MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: . . . . . MIL-STD-202F, METHOD 105C COND. B
- SALT FOG: . . . . . MIL-STD-202F, METHOD 107D COND. A
- FUNGUS: . . . . . MIL-STD-810C, METHOD 508.2
- TEMPERATURE CYCLE: . . . . . MIL-STD-202F, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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 ISO 9001:2008 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		DATE		PRODUCT FEATURE	
CHECKED		DATE		DTA-100M40G-30-CD-1	
ISSUED		DATE		DTA-100M40G-30-CD-1	
SCALE	N:S	SIZE	FSCM NO.	DWG NO.	REV.
		A	05X00	PRELIMINARY	A
SHEET					1 OF 1

ALL DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 XXXX ±0.010  
 XXXX ±0.005