

DESCRIPTION:

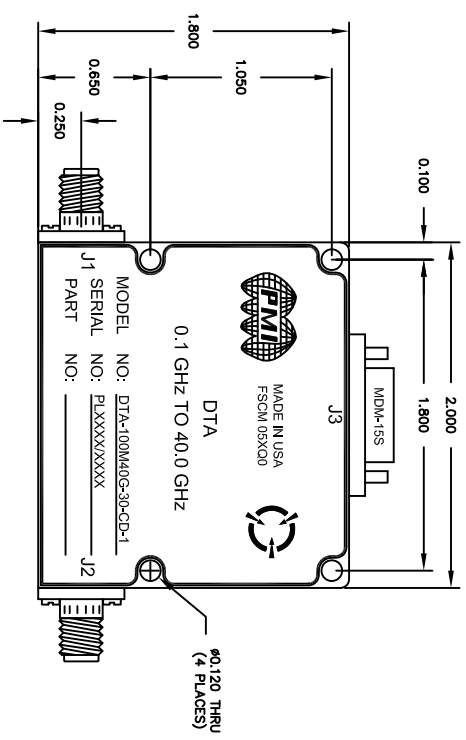
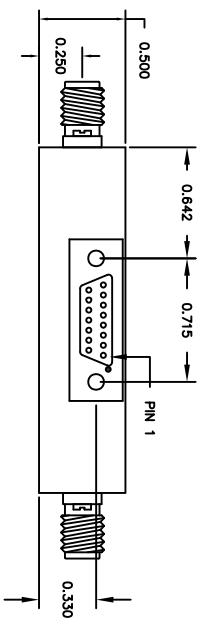
PMI MODEL NUMBER DTA-100M40G-30-CD-1 IS A 5 BIT PROGRAMMABLE 30 dB PIN DIODE ATTENUATOR WITH STEP RESOLUTION OF 1 dB OVER THE FREQUENCY RANGE OF 100 MHZ TO 400 GHZ.

REVISIONS		DATE	APPROVED
ZONE	REV.	DESCRIPTION	
A		ORIGINAL RELEASE	2/11/11
B		J3 PIN FUNCTION UPDATED	3/30/12

SPECIFICATIONS:

- FREQUENCY: 100 MHZ TO 40 GHZ
- MEAN ATTENUATION RANGE: 30dB
- INSERTION LOSS 5.0 dB TYP (UP TO 200GHZ)
8.0 dB TYP (UP TO 400GHZ)
- VSWR: 2.5:1 TYP
- 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 1.0 usec MAX
 - ON TIME 1.0 usec MAX
 - OFF TIME 0.5 usec MAX
- POWER SUPPLY 15V @ 50ma MAX
- CONNECTORS (2) 2.92mm(F) & 15 Pin Micro-D Female
Shipped with Micro-D mating connector
- WEIGHT 3.0 oz (85 gm) Approximate
- FINISH PAINTED GRAY
- LOGIC INPUT
- LOGIC "0" (BIT OFF) 0 to +0.8V
- LOGIC "1" (BIT ON) +2.0 to +5.0V

PIN NO:	J3 PIN FUNCTIONS
1	1dB
2	N.C.
3	N.C.
4	N.C.
5	GND
6	N.C.
7	N.C.
8	GND
9	N.C.
10	N.C.
11	+15VDC
12	16dB
13	8dB
14	4dB
15	2dB



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
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX .0010
X.XXX .0005

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APPROVALS	DATE	TITLE	SIZE	FSQM NO.	DWG NO.	REV.
<i>JM</i>	2/11/11	PRODUCT FEATURE	A	05X00	27015601	B
DRAWN		DTA-100M40G-30-CD-1	SCALE	N:1S		
CHECKED						
ISSUED						