

DESCRIPTION:

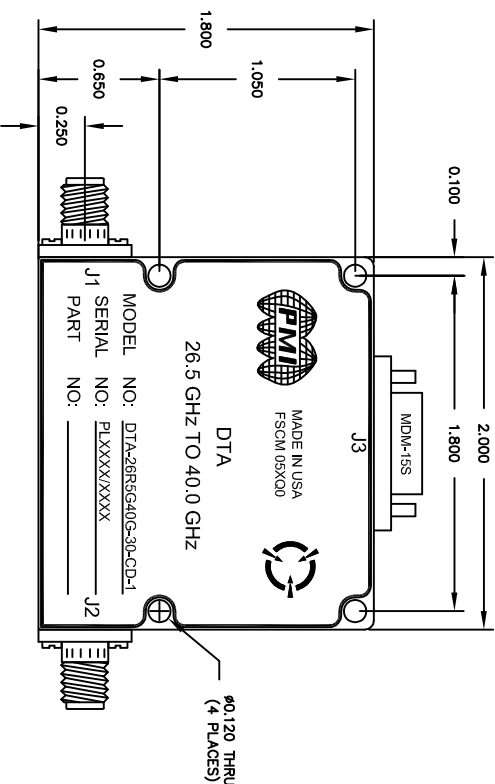
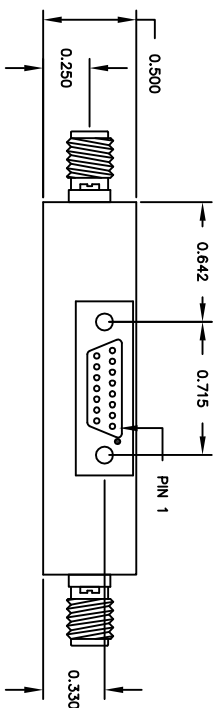
PMI MODEL NUMBER DTA-26R5G40G-30-CD-1 IS A 10 BIT PROGRAMMABLE 30 dB PIN DIODE ATTENUATOR WITH STEP RESOLUTION AS LOW AS 0.03 dB OVER THE FREQUENCY RANGE OF 26.5 GHz TO 40 GHz.

SPECIFICATIONS:

- FREQUENCY: 26.5 GHz TO 40 GHz
- INSERTION LOSS: 6.0 dB TYP
- ATTENUATION RANGE: 30 dB TYP
- ACCURACY OF ATTENUATION: ±2.0 dB TYP
- VSWR: 2.5:1 MAX
- INPUT POWER: +24 dBm CW MAX
- INPUT 1dB COMPRESSION POINT: +10dBm TYP
- ATTENUATION CONTROL 10-BIT DIGITAL TTL
- LSB 0.03dB
- DC SUPPLY +12VDC or +15VDC
- SIZE 2.00" (L) X 1.80" (W) X 0.50" (H)
- PWR/CTL CONNECTORS 15 PIN Micro-D-Female (MATING CONNECTOR SUPPLIED)
- RF CONNECTORS 2.92 mm - Female
- FINISH PAINTED GRAY
- LOGIC INPUT
 LOGIC "0" (BIT OFF) -0.3 to +0.8V
 LOGIC "1" (BIT ON) +2.0 to +5.0V

PIN NO:	J3 PIN FUNCTIONS
1	1dB
2	0.5dB
3	0.25dB
4	0.125dB
5	GND
6	0.0625dB
7	0.03125dB (LSB)
8	GND
9	Not Used
10	Not Used
11	+12VDC
12	16dB (MSB)
13	8dB
14	4dB
15	2dB

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



ENVIRONMENTAL RATINGS:

- TEMPERATURE: -50°C TO +100°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

ALL DIMENSIONS ARE IN INCHES
 TOLERANCES:
 X.XXX ±0.010
 X.XXX ±0.005

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APPROVALS		DATE	
DRAWN NJA		4/7/11	
TITLE PRODUCT FEATURE			
DTA-26R5G40G-30-CD-1			
CHECKED	SIZE	FSCM NO.	DWG NO.
ISSUED	A	05X00	27015082
SCALE	N:1S	SHEET	1 OF 1