DESCRIPTION:

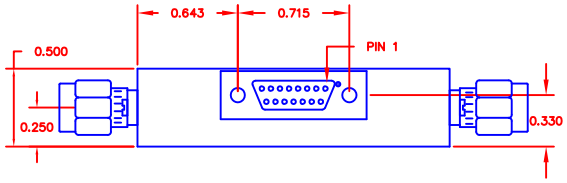
PMI MODEL NUMBER DTA-18G40G-30-CD-2-OPT24MM IS A 10 BIT PROGRAMMABLE 30 dB ATTENUATOR WITH STEP RESOLUTION AS LOW AS 0.03 dB OVER THE FREQUENCY RANGE OF 18 GHz TO 40 GHz. THIS MODEL IS OFFERED IN THE SLIM LINE HOUSING MEASURING ONLY 0.5" IN HEIGHT WITH 2.4mm MALE CONNECTORS.

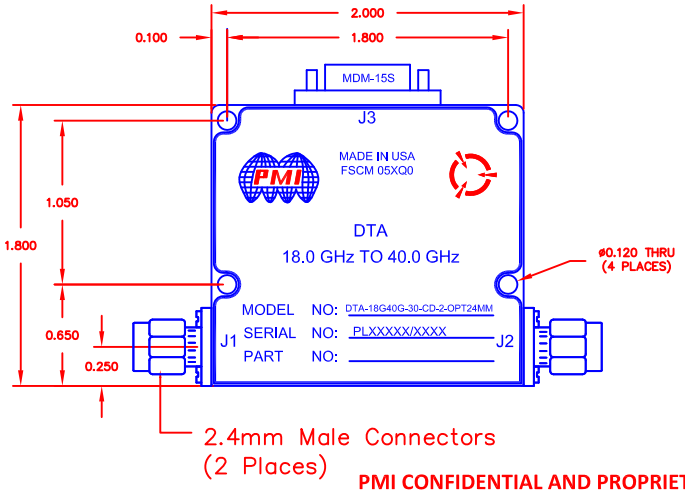
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	05/17/17	

PIN NO:	J3 PIN FUNCTIONS
1	1dB
2	0.5dB
3	0.25dB
4	0.125dB
5	GND
6	0.06 dB
7	0.03 dB (LSB)
8	GND
9	Not Used
10	Not Used
11	+12VDC
12	16dB (MSB)
13	8dB
14	4dB
15	2dB

SPECIFICATIONS:

- FREQUENCY: . . . . . 18 GHz TO 40 GHz
- MEAN ATTENUATION RANGE: . . . . . 30 dB
- INSERTION LOSS: . . . . . 6.0 dB TYP
- VSWR: . . . . . 2.5:1 MAX
- FLATNESS: . . . . . ±1.5 dB TYP
- ACCURAY OF ATTENUATION: . . . . . ±2.0 dB TYP
- POWER HANDLING CAPABILITY: . . . . . +24 dBm CW MAX
- INPUT 1dB COMPRESSION: . . . . . +10 dBm TYP
- SWITCHING TIME:
  - ON TIME . . . . . 1.0 us MAX
  - OFF TIME . . . . . 0.5 us MAX
- POWER SUPPLY: . . . . . 15V @ 100mA MAX
- CONNECTORS: . . . . . (2) 2.4mm(M) & 15 PIN Micro-D-Female
  Shipped with mating Micro-D Male
- WEIGHT: . . . . . 3.0 oz (85 gm) Approximate
- FINISH: . . . . . PAINTED BLUE
- LOGIC INPUT:
  - LOGIC "0" (BIT OFF) . . . . . -0.3 to +0.8V
  - LOGIC "1" (BIT ON) . . . . . +2.0 to +5.0V





ENVIRONMENTAL RATINGS:

- TEMPERATURE: . . . . . -40°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 ±0.020
X.XXX ±0.010

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APPROVALS	DATE
DRAWN KM	12/28/11
REDRAWN SPU	05/17/17
ISSUED	

TITLE: PRODUCT FEATURE
DTA-18G40G-30-CD-2-OPT24MM

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27032681	A1

SCALE N:S SHEET 1 OF 1