DESCRIPTION:

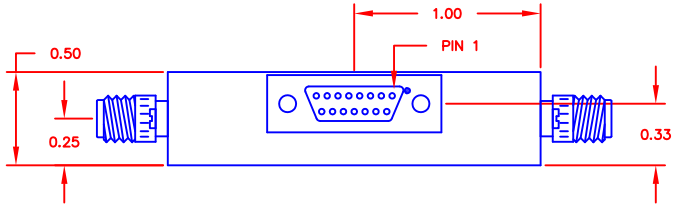
PMI MODEL NUMBER DTA-2G18G-60-2W-10B IS A NON-REFLECTIVE HIGH POWER (2WATT) 10 BIT PROGRAMMABLE 60 dB PIN DIODE ATTENUATOR WITH STEP RESOLUTION AS LOW AS 0.06 dB OVER THE FREQUENCY RANGE OF 2.0 TO 18.0 GHz IN A SLIMLINE PACKAGE.

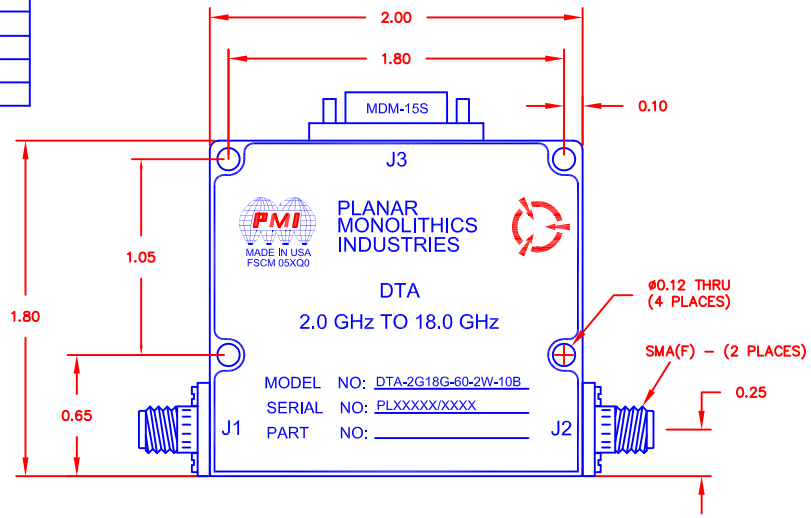
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY RELEASE	4/8/14	

SPECIFICATIONS:

- FREQUENCY: ..... 2 GHz TO 18.0 GHz
- MEAN ATTENUATION RANGE 60dB
- INSERTION LOSS ..... 5.0 dB MAX
- VSWR: ..... 2.0 :1 MAX
- FLATNESS UP TO
  - 20 dB ..... ±1.0 dB TYP
  - 40 dB ..... ±1.25 dB TYP
  - 60 dB ..... ±3.0 dB TYP
- ACCURACY OF ATTENUATION
  - 0 dB TO 20 dB ..... ±1.0 dB TYP
  - 20 dB TO 40 dB ..... ±1.5 dB TYP
  - 40 dB TO 60 dB ..... ±2.0 dB TYP
- MINIMUM ATTENUATION STEP ..... 0.06 dB
- OPERATING POWER: ..... 2.5W CW MAX
- SWITCHING TIME
  - ON TIME ..... 5.0 us MAX
  - OFF TIME ..... 3.0 us MAX
- DC POWER SUPPLY ..... +15V @ 100mA MAX
  -15V @ 100 mA MAX
- CONNECTORS ..... 2 SMA & 15 PIN Micro-D
  Shipped with Mating Connector
- WEIGHT ..... 3.0 oz (85 gm) Approximate
- FINISH ..... PAINTED BLUE
- LOGIC INPUTS ..... TTL COMPATIBLE

PIN NO:	J3 PIN FUNCTIONS
1	2dB
2	1dB
3	0.5dB
4	0.25dB
5	GND
6	0.13dB
7	0.06dB (LSB)
8	GND
9	Not Used
10	Not Used
11	+12VDC
12	32dB (MSB)
13	16dB
14	8dB
15	4dB





ENVIRONMENTAL RATINGS:

- TEMPERATURE: ..... -54°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

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.
7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN PJK	4/8/14
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
DTA–2G18G–60–2W–10B

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	PRELIM	–

SCALE N:S SHEET 1 OF 1