DESCRIPTION:

PMI MODEL NUMBER DTA-2G18G-60-CD-1-OPT618-2 IS A NON-REFLECTIVE 10 BIT PROGRAMMABLE 60 dB PIN DIODE ATTENUATOR WITH STEP RESOLUTION AS LOW AS 0.06 dB OVER THE FREQUENCY RANGE OF 6.0 TO 18.0 GHz.

SPECIFICATIONS:

- FREQUENCY: ..... 6.0 TO 18.0 GHz
- MEAN ATTENUATION RANGE 60dB
- INSERTION LOSS ..... 4.5 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
- SURVIVAL POWER: ..... 1W Average from -65°C to +25°C
- SWITCHING TIME
  - ON TIME ..... 1.0 us MAX
  - OFF TIME ..... 0.5 us MAX
- DC POWER SUPPLY ..... +15V @ 100mA MAX
  -15V @ 100 mA MAX
- CONNECTORS ..... 2 SMA & 15 PIN D-SUB Shipped with Mating D-SUB
- WEIGHT ..... 3.0 oz (85 gm) Approximate
- FINISH ..... PAINTED GREY
- LOGIC INPUT
  LOGIC "0" (BIT OFF) ..... -0.3 to +0.8V
  LOGIC "1" (BIT ON) ..... +2.0 to +5.0V

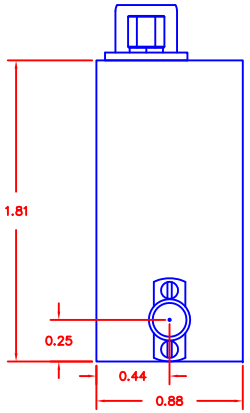
ENVIRONMENTAL RATINGS:

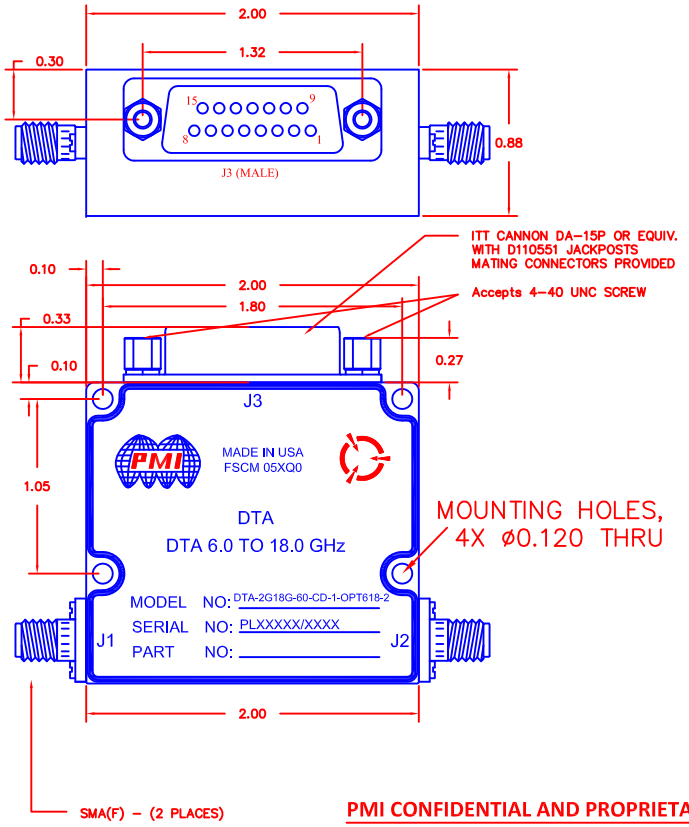
- TEMPERATURE: ..... -54°C TO +110°C (OPERATING) -65°C TO +125°C (STORAGE)
- HUMIDITY: ..... MIL-STD-202F, METHOD 103B COND. B
- SHOCK: ..... MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: ..... MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: ..... MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: ..... MIL-STD-202F, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	–	PRELIMINARY	3/1/19	

PIN NO:	J3 PIN FUNCTIONS
1	GND
2	Not Connected
3	0.13 dB
4	GND
5	0.25 dB
6	0.5 dB
7	1.0 dB
8	2.0 dB
9	4.0 dB
10	8.0 dB
11	16.0 dB
12	32.0 dB (MSB)
13	+V
14	-V
15	0.06 dB (LSB)





PMI CONFIDENTIAL AND PROPRIETARY

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

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 EMF	6/7/16
REDRAWN CW	3/1/19
ISSUED	

TITLE: PRODUCT FEATURE
DTA-2G18G-60-CD-1-OPT618-2

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

SCALE N:S SHEET 1 OF 1