

DESCRIPTION:

PMI MODEL NUMBER DTA-2G18G-60-4-CD-1 IS A NON-REFLECTIVE 4 BIT PROGRAMMABLE 60 dB PIN DIODE ATTENUATOR WITH STEP RESOLUTION AS LOW AS 4 dB OVER THE FREQUENCY RANGE OF 2.0 TO 18.0 GHz. THIS MODEL IS OFFERED IN A SLIM LINE HOUSING MEASURING ONLY 0.5" HEIGHT.

SPECIFICATIONS:

- FREQUENCY: _____ 2.0 GHz TO 18.0 GHz
- MEAN ATTENUATION RANGE: _____ 60 dB
- INSERTION LOSS: _____ 4.8 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: _____ 4 dB
- OPERATING POWER: _____ 15dBm TYP
- 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 @ 150 mA MAX
- CONNECTORS: _____ 2 SMA & 15 PIN Micro-D-Female
Shipped with Mating Micro-D Male
- WEIGHT: _____ 3.0 oz (85 gm) Approximate
- FINISH: _____ BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750,
TYPE I OVER EPOXY POLIMIDE PRIMER
IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.
- LOGIC INPUT:
 - LOGIC "0" (BIT OFF) _____ -0.3 to +0.8V
 - LOGIC "1" (BIT ON) _____ +2.0 to +5.0V

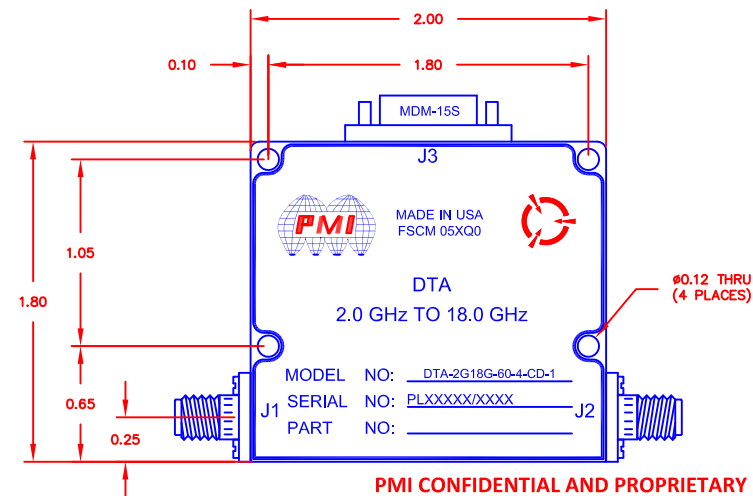
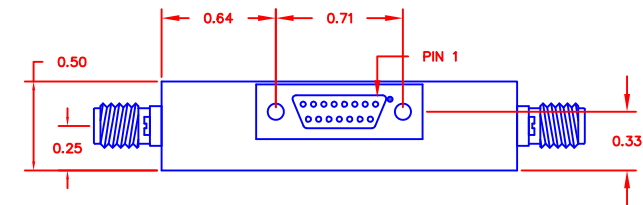
ENVIRONMENTAL RATINGS:

- 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

PIN NO:	J3 PIN FUNCTIONS
1	N/C
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	+12VDC
12	32dB (MSB)
13	16dB
14	8dB
15	4dB (LSB)

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/16/17	



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN	<i>sk</i>	10/15/12	PRODUCT FEATURE		
REDRAWN	<i>EW</i>	11/16/17	DTA-2G18G-60-4-CD-1		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	PRELIMINARY
			SCALE	N:S	SHEET 1 OF 1

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