

DESCRIPTION:

PMI MODEL NUMBER DTA-1415M5250M-60-CD-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 1415 TO 5250 MHz. THIS MODEL IS OFFERED IN A SLIM LINE HOUSING MEASURING ONLY 0.5" HEIGHT.

SPECIFICATIONS:

- FREQUENCY:..... 1415 MHz TO 5250 MHz
- MEAN ATTENUATION RANGE:..... 60 dB
- INSERTION LOSS:..... 3.5 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
- OPERATING POWER:..... 15 dBm 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:..... PAINTED BLUE
- LOGIC INPUT:
 - LOGIC "0" (BIT OFF) -0.3 to +0.8V
 - LOGIC "1" (BIT ON) +2.0 to +5.0V

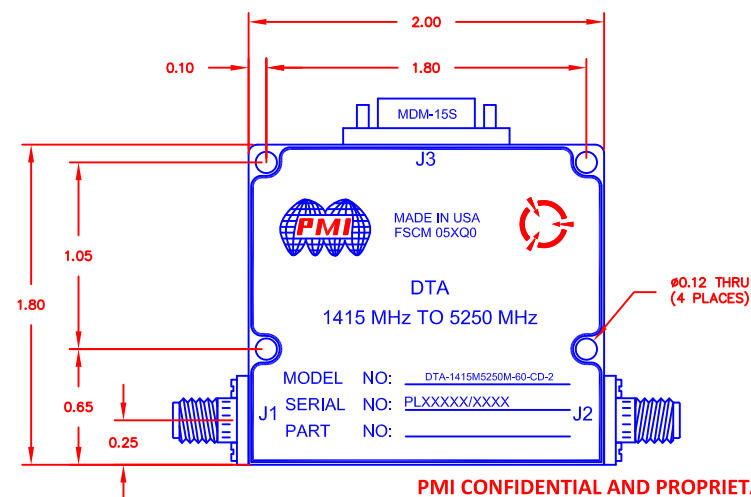
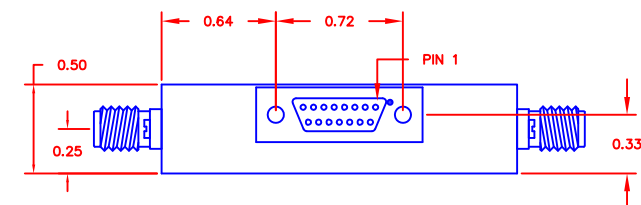
ENVIRONMENTAL RATINGS:

- 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

PIN NO:	J3 PIN FUNCTIONS
1	3.2dB
2	1.6dB
3	0.8dB
4	0.4dB
5	GND
6	0.2 dB
7	0.1 dB (LSB)
8	GND
9	Not Used
10	Not Used
11	+12VDC
12	51.2dB (MSB)
13	25.6dB
14	12.8dB
15	6.4dB

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	—	PRELIMINARY	12/18/15
			JP



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APPROVALS		DATE		TITLE	
DRAWN <i>EMF</i>		12/18/15		PRODUCT FEATURE	
CHECKED				DTA-1415M5250M-60-CD-2	
ISSUED				PRELIMINARY	
SIZE A		FSCM NO. 05XQ0		DWG NO. PRELIMINARY	
SCALE N:S				SHEET 1 OF 1	

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