

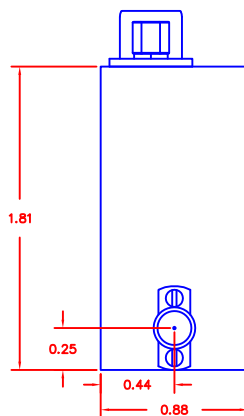
DESCRIPTION:

PMI MODEL NUMBER DTA-50M2D5G-CD-SFF-1-OPT12R5 IS A NON-REFLECTIVE 8 BIT PROGRAMMABLE 60 DB PIN DIODE ATTENUATOR WITH STEP RESOLUTION AS LOW AS 0.25 DB OVER THE FREQUENCY RANGE OF 1 TO 2.5 GHz.

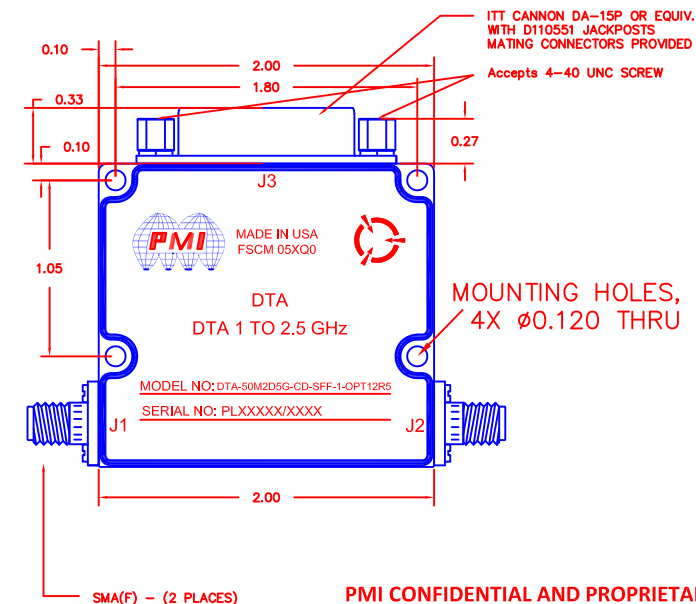
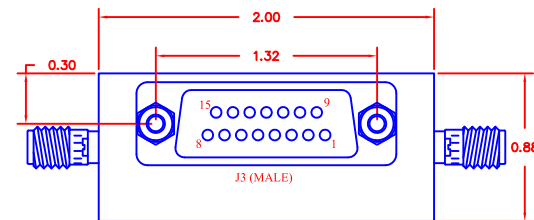
SPECIFICATIONS:

- FREQUENCY: _____ 1 TO 2.5 GHz
- MEAN ATTENUATION RANGE _____ 60dB
- INSERTION LOSS _____ 4.5 dB MAX
- VSWR: _____ 2.0 :1 MAX
- FLATNESS UP TO
 - 20 dB _____ ±0.6 dB MAX
 - 40 dB _____ ±0.75 dB MAX
 - 60 dB _____ ±2.5 dB MAX
- ACCURACY OF ATTENUATION
 - 0 dB TO 20 dB _____ ±0.5 dB MAX
 - 20 dB TO 40 dB _____ ±0.75 dB MAX
 - 40 dB TO 60 dB _____ ±1.5 dB MAX
- MINIMUM ATTENUATION STEP _____ 0.25 dB
- SURVIVAL POWER: _____ 1W Average from -65°C to +25°C
- SWITCHING TIME (50% TTL TO 10%-90% RF)
 - ON TIME _____ 0.75 usec MAX
 - OFF TIME _____ 0.45 usec MAX
- DC POWER SUPPLY _____ +15V @ 50mA MAX
 _____ -15V @ 50 mA MAX
- CONNECTORS _____ 2 SMA Female & 15 PIN D-SUB
 Shipped with Mating D-SUB including pigtails >24" length
- 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

PIN NO:	J3 PIN FUNCTIONS
1	GND
2	Not Connected
3	Not Connected
4	GND
5	0.25 dB (LSB)
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	Not connected



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/5/19	



ENVIRONMENTAL RATINGS:

- TEMPERATURE: _____ -50°C TO +100°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	TITLE			
DRAWN	VR	6/29/14	PRODUCT FEATURE			
REDRAWN	CW	9/5/19	DTA-50M2D5G-CD-SFF-1-OPT12R5			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	-
			SCALE	N:S	SHEET	1 OF 1