

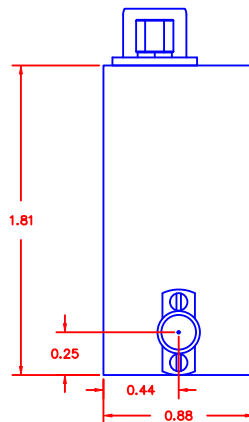
DESCRIPTION:

PMI MODEL NUMBER DTA-30M2D5G-60dB-10B 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 30 MHz TO 2.5 GHz.

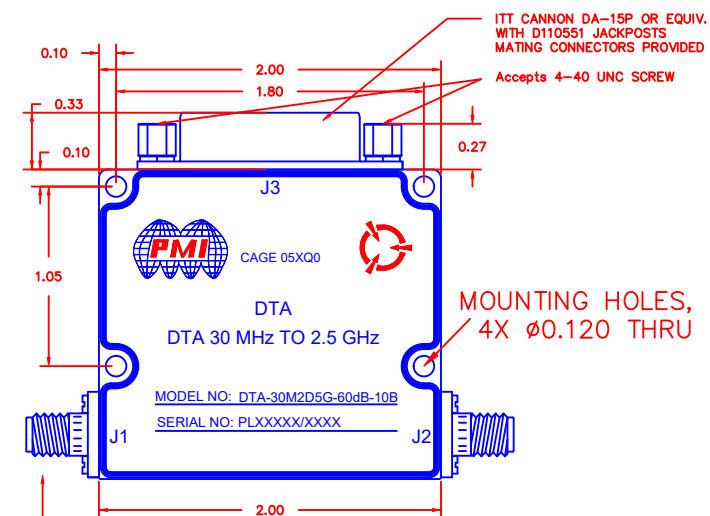
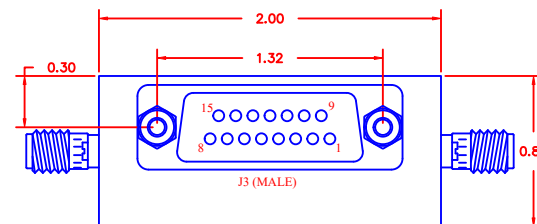
SPECIFICATIONS:

- FREQUENCY: _____ 30 MHz 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 TYP
 - 40 dB _____ ±1.0 dB TYP
 - 60 dB _____ ±3.0 dB TYP
- 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 _____ 0.06 dB
- SURVIVAL POWER: _____ 1W Average from -65°C to +25°C
- SWITCHING TIME
 - ON TIME _____ 1 us MAX
 - OFF TIME _____ 1 us MAX
- DC POWER SUPPLY _____ +12 TO +15V @ 150mA 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 _____ PAINTED BLUE.
- LOGIC INPUT
 - LOGIC "0" (BIT OFF) _____ -0.3 to +0.8V
 - LOGIC "1" (BIT ON) _____ +2.0 to +5.0V
- MONOTONICITY _____ GUARANTEED

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	Not Connected
15	0.06 dB (LSB)



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	04/24/19	
	A2	ECN # 25-0063	03/03/25	



SMA(F) - (2 PLACES)

PMI CONFIDENTIAL AND PROPRIETARY

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

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

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APPROVALS		DATE	TITLE		
DRAWN	PJK	3/7/16	OUTLINE		
REDRAWN	SPU	04/24/19	DTA-30M2D5G-60DB-10B		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	27036640
			SCALE	N:S	SHEET 1 OF 1
					REV. A2

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION