

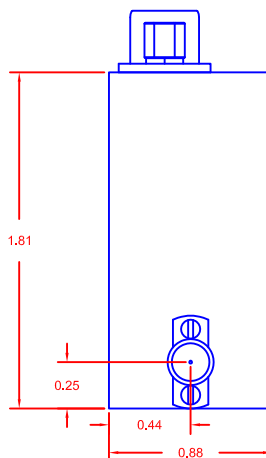
DESCRIPTION:

PMI MODEL NUMBER DTA-0R5G4G-60-CD-1-OPT12VDC 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 0.5 TO 4.0 GHz.

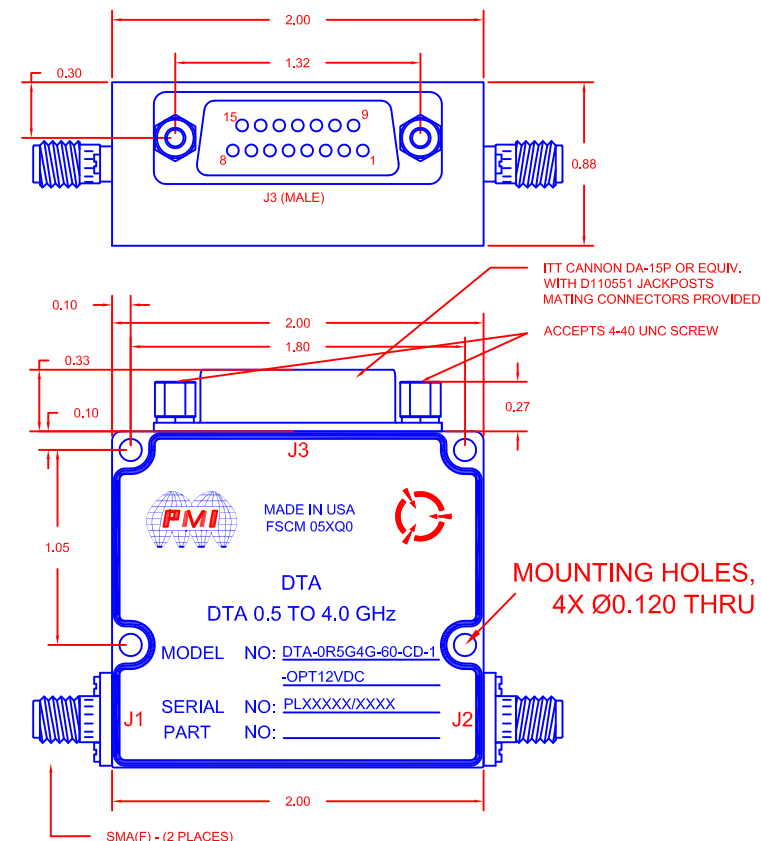
SPECIFICATIONS:

- FREQUENCY: 0.5 GHz TO 4.0 GHz
- MEAN ATTENUATION RANGE: 60 dB
- INSERTION LOSS: 2.7 dB MAX
- VSWR: 1.8:1 MAX
- FLATNESS UP TO:
 - 20dB ±0.5 dB TYP
 - 40dB ±0.75 dB TYP
 - 60dB ±1.0 dB TYP
- ACCURACY OF ATTENUATION:
 - 0 TO 20 dB ±1.0 dB TYP
 - 20 TO 40 dB ±1.5 dB TYP
 - 40 TO 60 dB ±2.0 dB TYP
- MINIMUM ATTENUATION STEP: 0.06 dB
- SURVIVAL POWER: 2W AVERAGE FROM -65 °C to +25 °C
- SWITCHING TIME:
 - ON TIME 1.0 us MAX
 - OFF TIME 0.5 us MAX
- DC POWER SUPPLY: +12 V @ 100mA MAX
-12 V @ 80 mA MAX
- CONNECTORS: 2 SMA & 15 PIN D-SUB
SHIPPED WITH MATING D-SUB
- WEIGHT: 3.0 oz (85 gm) TYP
- FINISH: PAINTED BLUE
- LOGIC INPUT:
 - LOGIC "0" (BIT OFF) -0.3 TO +0.8 V
 - LOGIC "1" (BIT ON) +2.0 TO +5.0 V

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)



REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	1	ORIGINAL RELEASE	3/22/16
	A1	ECN # 17-0040	3/07/17



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 ±0.005

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APPROVALS		DATE	TITLE			
DRAWN			PRODUCT FEATURE			
B. Thomas		3/22/16	DTA-0R5G4G-60-CD-1-OPT12VDC			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	27029331	A1
			SCALE	N:S	SHEET	1 OF 1