

DESCRIPTION:

PMI MODEL NUMBER DTA-2G18G-60-CD-1 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 2.0 TO 18.0 GHz.

SPECIFICATIONS:

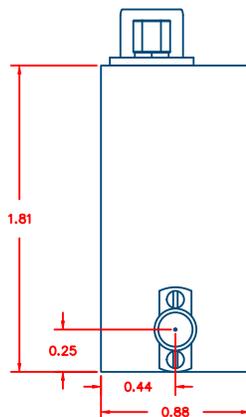
- FREQUENCY: _____ 2 GHz TO 18.0 GHz
- MEAN ATTENUATION RANGE _____ 60dB
- INSERTION LOSS _____ 4.5 dB MAX
- VSWR: _____ 2.0 :1 MAX
- FLATNESS UP TO
 - 20 dB _____ ±1.0 dB TYP
 - 40 dB _____ ±1.25 dB TYP
 - 60 dB _____ ±3.0 dB TYP
- ACCURACY OF ATTENUATION
 - 0 dB TO 20 dB _____ ±1.0 dB TYP
 - 20 dB TO 40 dB _____ ±1.5 dB TYP
 - 40 dB TO 60 dB _____ ±2.0 dB TYP
- MINIMUM ATTENUATION STEP _____ 0.06 dB
- 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 @ 130mA MAX
- CONNECTORS _____ 2 SMA & 15 PIN D-SUB
Shipped with Mating D-SUB
- WEIGHT _____ 3.0 oz (85 gm) Approximate
- FINISH _____ PAINTED GREY
- LOGIC INPUT
 - LOGIC "0" (BIT OFF) _____ -0.3 to +0.8V
 - LOGIC "1" (BIT ON) _____ +3.5 to +5.0V

ENVIRONMENTAL RATINGS:

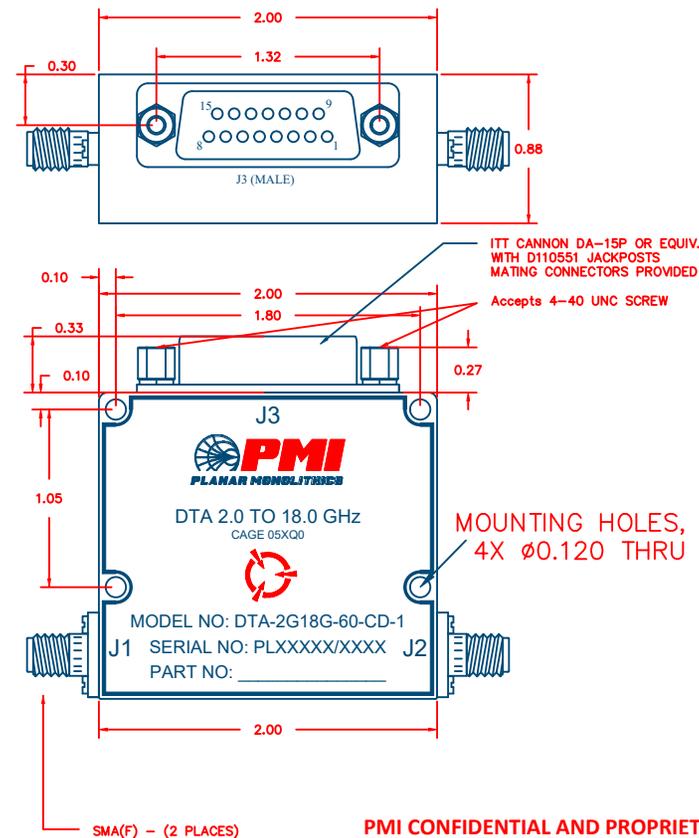
- TEMPERATURE: _____ -50°C TO +100°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: _____ MIL-STD-202F, METHOD 103B COND. B
- SHOCK: _____ MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: _____ MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: _____ MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: _____ MIL-STD-202F, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	2/9/11	
	B1	SURVIVAL POWER SPEC CHANGED	2/15/12	
	B2	ECN # 14-0038	02/26/14	
	C1	ECN # 23-0143	7/27/23	



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

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APPROVALS		DATE	TITLE			
DRAWN PJK		2/9/11	PRODUCT FEATURE			
CHECKED			DTA-2G18G-60-CD-1			
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27013141-B	REV. C1
			SCALE N:S			SHEET 1 OF 1