

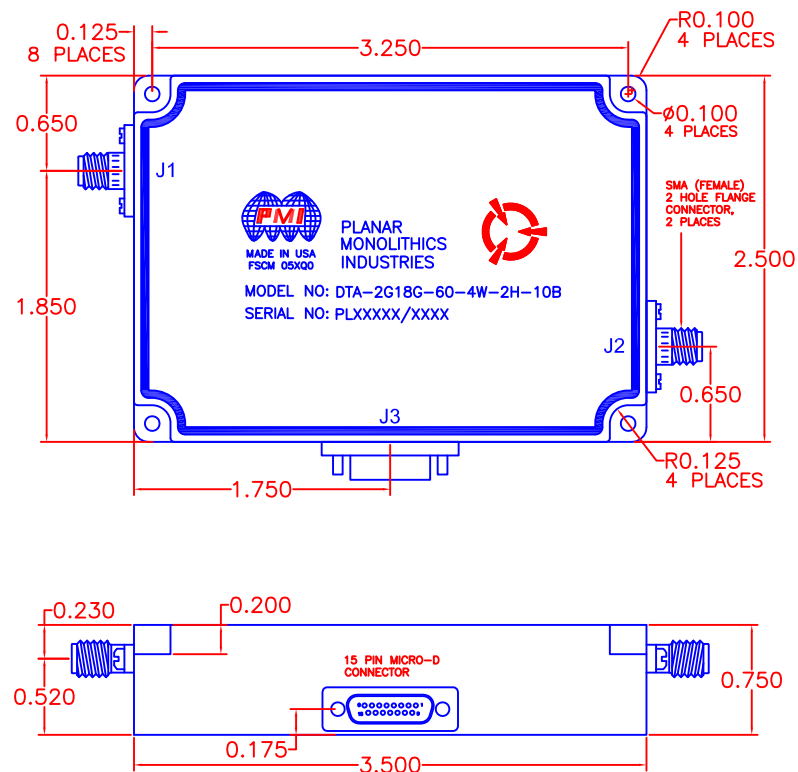
DESCRIPTION:

PMI MODEL NUMBER DTA-2G18G-60-4W-2H-10B IS A NON-REFLECTIVE HIGH POWER (4WATT) 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 4.0 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: 4W CW MAX
- SWITCHING TIME
 - ON TIME 10 us MAX
 - OFF TIME 5.0 us MAX
- DC POWER SUPPLY +15V @ 150mA MAX
- CONNECTORS 2 SMA & 15 PIN D-SUB
Shipped with Mating D-SUB
- WEIGHT 3.0 oz (85 gm) Approximate
- FINISH PAINTED BLUE
- LOGIC INPUT TTL COMPATIBLE

PIN NO:	J3 PIN FUNCTIONS
1	2dB
2	1dB
3	0.5dB
4	0.25dB
5	GND
6	0.13dB
7	0.06dB (LSB)
8	GND
9	Not Used
10	Not Used
11	+ VDC
12	32dB (MSB)
13	16dB
14	8dB
15	4dB



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

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

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	1	PRELIMINARY RELEASE	4/8/14

PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE			
DRAWN		PJK		4/8/14		PRODUCT FEATURE	
CHECKED						DTA-2G18G-60-4W-2H-10B	
ISSUED							
SIZE		FSCM NO.		DWG NO.		REV.	
A		05XQ0		270XXXXX		1	
SCALE		N:S		SHEET		1 OF 1	