

DESCRIPTION:

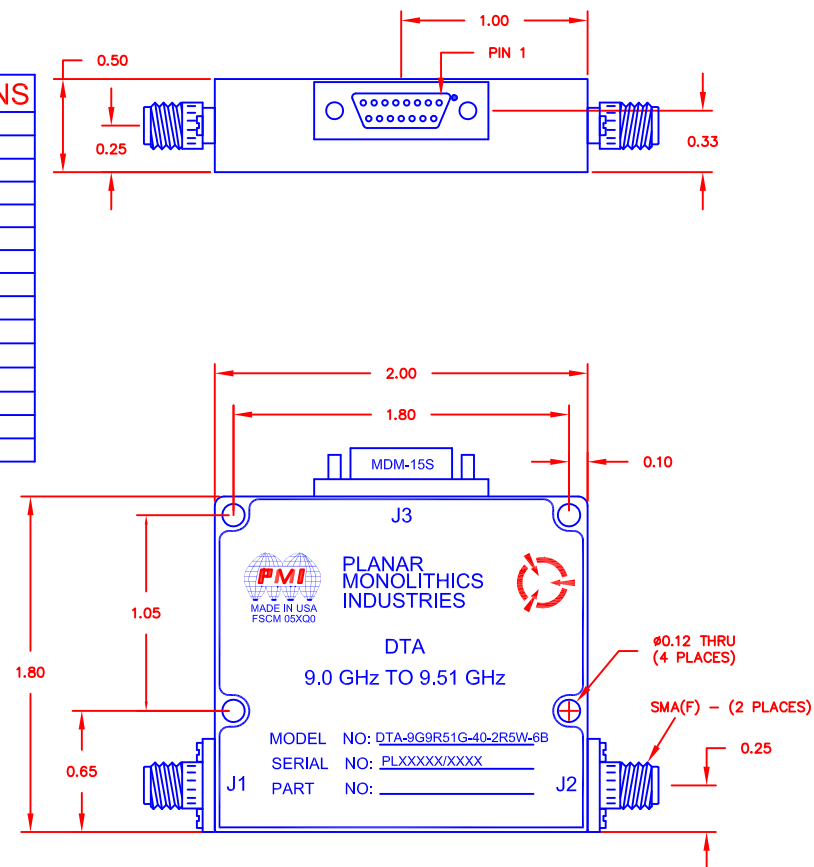
PMI MODEL NUMBER DTA-9G9R51G-40-2R5W-6B IS A NON-REFLECTIVE HIGH POWER (2.5WATT) 6 BIT PROGRAMMABLE 40 dB PIN DIODE ATTENUATOR WITH STEP RESOLUTION AS LOW AS 1.0 dB OVER THE FREQUENCY RANGE OF 9.0 TO 9.51 GHz IN A SLIMLINE PACKAGE.

SPECIFICATIONS:

- FREQUENCY: 9 GHz TO 9.51 GHz
- MEAN ATTENUATION RANGE: 40dB
- INSERTION LOSS 3.0 dB MAX
- VSWR: 1.5 :1 MAX
- FLATNESS UP TO
 - 20 dB ± 1.0 dB TYP
 - 40 dB ± 1.25 dB TYP
- ACCURACY OF ATTENUATION
 - 0 dB TO 20 dB ± 1.0 dB TYP
 - 20 dB TO 40 dB ± 1.5 dB TYP
- MINIMUM ATTENUATION STEP 1.0 dB
- OPERATING POWER: 2.5W CW MAX
- SWITCHING TIME
 - ON TIME 10.0 us MAX
 - OFF TIME 5.0 us MAX
- DC POWER SUPPLY +15V @ 100mA MAX
- CONNECTORS 2 SMA & 15 PIN Micro-D
Shipped with Mating Connector
- WEIGHT 3.0 oz (85 gm) Approximate
- FINISH PAINTED BLUE
- LOGIC INPUTS TTL COMPATIBLE

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

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	—	PRELIMINARY	10/9/14



PMI CONFIDENTIAL AND PROPRIETARY

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

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APPROVALS		DATE		TITLE	
DRAWN		10/9/14		PRODUCT FEATURE	
CHECKED				DTA-9G9R51G-40-2R5W-6B	
ISSUED				PRELIM	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		PRELIM	
SCALE		N:S		SHEET	
				1 OF 1	