

DESCRIPTION:

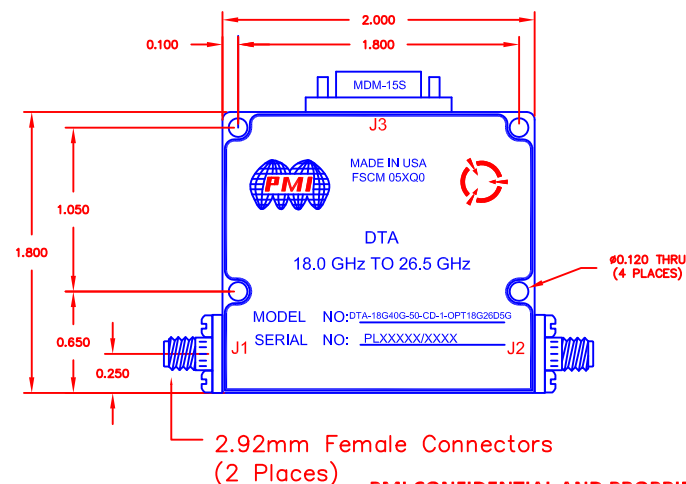
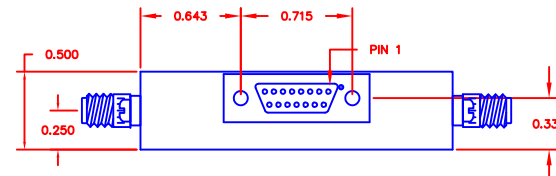
PMI MODEL NUMBER DTA-18G40G-50-CD-1-OPT18G26D5G IS A 10 BIT PROGRAMMABLE 50 dB ATTENUATOR WITH STEP RESOLUTION AS LOW AS 0.05 dB OVER THE FREQUENCY RANGE OF 18.0 GHz TO 26.5 GHz. THIS MODEL IS OFFERED IN THE SLIM LINE HOUSING MEASURING ONLY 0.5" IN HEIGHT WITH 2.92mm FEMALE CONNECTORS.

SPECIFICATIONS:

- FREQUENCY: 18.0 GHz TO 26.5 GHz
- MEAN ATTENUATION RANGE: 50 dB
- INSERTION LOSS: 8.5 dB TYP
- VSWR: 2.5:1 MAX
- FLATNESS: ±1.5 dB TYP
- ACCURAY OF ATTENUATION: ±2.0 dB TYP
- POWER HANDLING CAPABILITY: +24 dBm CW MAX
- INPUT 1dB COMPRESSION: +10 dBm TYP
- SWITCHING TIME:
 - ON TIME 1.0 us MAX
 - OFF TIME 0.5 us MAX
- POWER SUPPLY: 15V @ 100mA MAX
- CONNECTORS: (2) 2.92mm(F) & 15 PIN Micro-D-Female
Shipped with mating Micro-D Male
- WEIGHT: 3.0 oz (85 gm) Approximate
- FINISH: BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.
- LOGIC INPUT:
 - LOGIC "0" (BIT OFF) -0.3 to +0.8V
 - LOGIC "1" (BIT ON) +2.0 to +5.0V

PIN NO:	J3 PIN FUNCTIONS
1	1dB
2	0.5dB
3	0.25dB
4	0.125dB
5	GND
6	0.06 dB
7	0.03 dB (LSB)
8	GND
9	Not Used
10	Not Used
11	+15VDC
12	16dB (MSB)
13	8dB
14	4dB
15	2dB

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	8/1/17	



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

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>B. Thomas</i>		12/22/15	PRODUCT FEATURE		
REDRAWN <i>EW</i>		8/1/17	DTA-18G40G-50-CD-1-OPT18G26D5G		
ISSUED			SIZE A	FSCM NO. 05XQ0	REV. A1
			DWG NO. PRELIMINARY	SHEET 1 OF 1	
			SCALE N:S		