

DESCRIPTION:

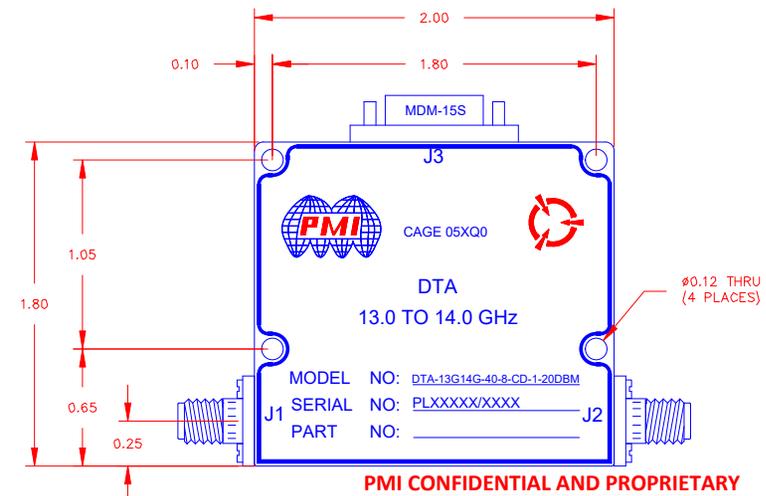
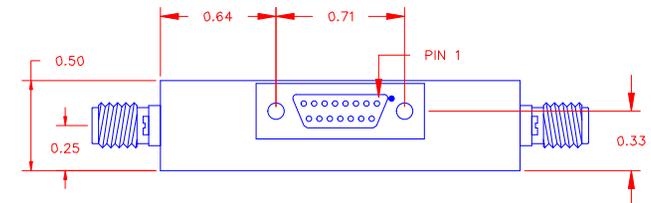
PMI MODEL NUMBER DTA-13G14G-40-8-CD-1-20DBM IS AN 8-BIT PROGRAMMABLE 40 dB PIN DIODE ATTENUATOR OVER THE FREQUENCY RANGE OF 13.0 TO 14.0 GHz. THIS MODEL IS OFFERED IN A SLIM LINE HOUSING MEASURING ONLY 0.5" IN HEIGHT.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	INITIAL RELEASE	3/18/2019	

SPECIFICATIONS:

- FREQUENCY RANGE: 13.0 TO 14.0 GHz
- ATTENUATION RANGE: 40 dB MIN
- INSERTION LOSS: 5 dB MAX
- STEP SIZE: 0.25 dB (LSB)
- ADJUSTMENT STEP SIZE ACCURACY: ±0.125 dB
- PHASE VARIATION VS ATTENUATOR STEP SIZE: 1.5°/dB TYP
2°/dB MAX 0 TO 40 dB ATTENUATION
- INPUT 0.1 dB COMPRESSION POINT: +20 dBm MIN
- MONOTONICITY: GUARANTEED
- VSWR: 2.0:1 MAX
- SWITCHING TIME:
 - ON TIME 1.0 us MAX
 - OFF TIME 0.5 us MAX
- LOGIC INPUT:
 - LOGIC "0" (BIT OFF) -0.3 TO +0.8 V
 - LOGIC "1" (BIT ON) +2.0 TO +5.0 V
- DC POWER SUPPLY: +12 V @ 150 mA MAX
- CONNECTORS: 2 SMA & 15 PIN MICRO-D FEMALE
- FINISH: PAINTED BLUE

PIN NO:	J3 PIN FUNCTIONS
1	2 dB
2	1 dB
3	0.5 dB
4	0.25 dB (LSB)
5	GND
6	NC
7	NC
8	GND
9	NC
10	NC
11	+12 VDC
12	32 dB (MSB)
13	16 dB
14	8 dB
15	4 dB



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

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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APPROVALS		DATE	TITLE		
DRAWN	<i>sfk</i>	10/15/12	PRODUCT FEATURE DTA-13G14G-40-8-CD-1-20DBM		
REDRAWN	<i>EW</i>	2/5/19	SIZE	FSCM NO.	DWG NO.
ISSUED	<i>GJR</i>	3/15/19	A	05XQ0	27036480
			SCALE	N:S	SHEET 1 OF 1