

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER DTA-200M18G-100-CD-1 IS AN 8-BIT DIGITALLY TUNED ATTENUATOR DESIGNED FOR THE 200 MHz TO 18 GHz FREQUENCY RANGE.

SPECIFICATIONS:

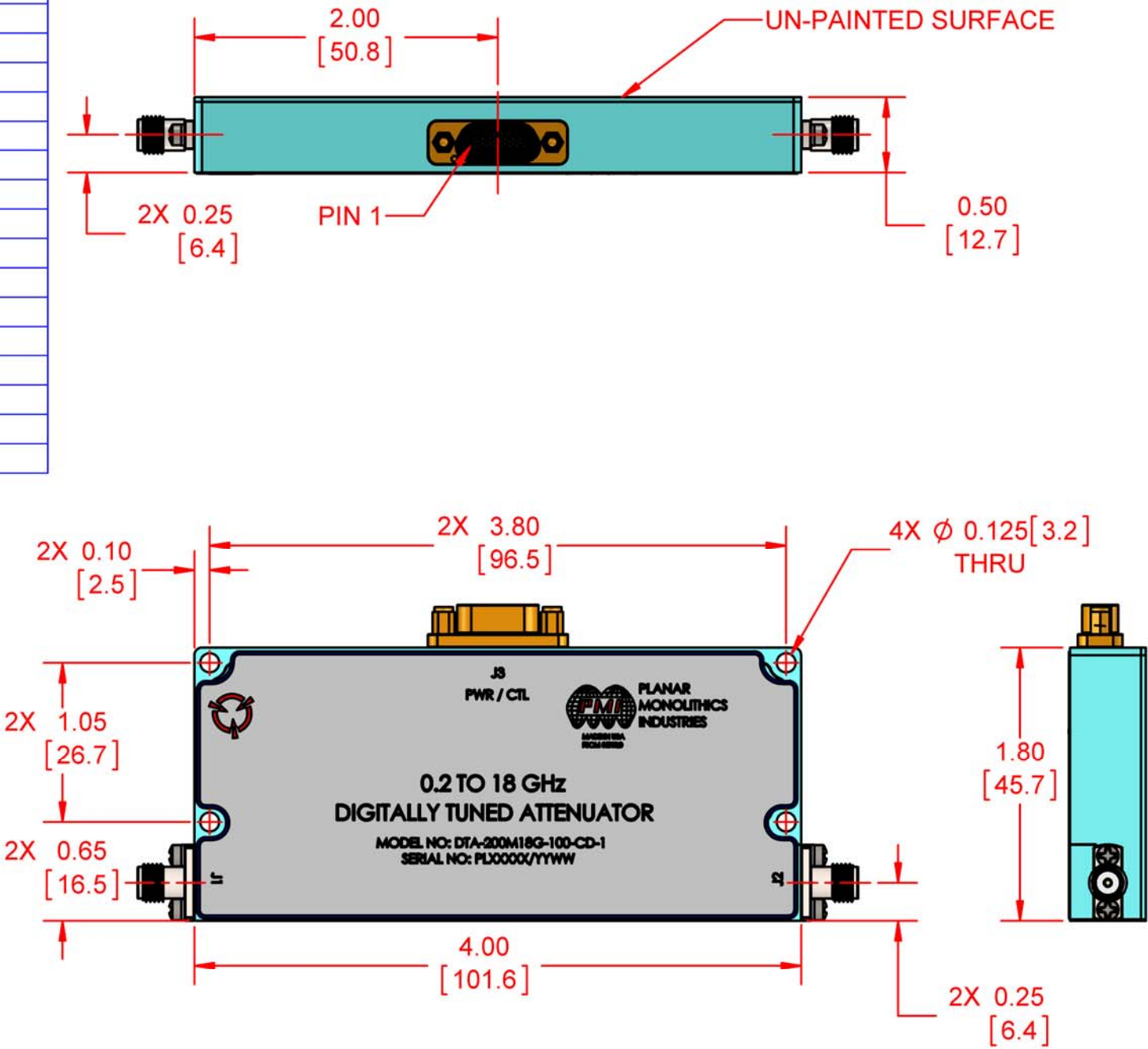
- FREQUENCY:..... 0.2 TO 18 GHz
- RF OPERATING INPUT POWER LEVEL:.. +20 dBm MAXIMUM
- SURVIVAL INPUT POWER LEVEL:..... 1 WATT CW,
10 WATTS PEAK, 1 us PULSE WIDTH,
1% DUTY CYCLE
- INSERTION LOSS:..... 12 dB MAXIMUM
- INPUT / OUTPUT VSWR:..... 2 : 1 MAXIMUM
- ATTENUATION RANGE:..... 100 dB MINIMUM
- CONTROL BITS:..... 8 BIT TTL
- ATTENUATION FLATNESS:..... UP TO 20 dB: ±1 dB TYPICAL
UP TO 40 dB: ±1.25 dB TYPICAL
UP TO 60 dB: ±1.5 dB TYPICAL
UP TO 80 dB: ±2 dB TYPICAL
UP TO 100 dB: ±3 dB TYPICAL
- ATTENUATION ACCURACY:..... UP TO 20 dB: ±1 dB TYPICAL
UP TO 40 dB: ±1.25 dB TYPICAL
UP TO 60 dB: ±1.5 dB TYPICAL
UP TO 80 dB: ±2 dB TYPICAL
UP TO 100 dB: ±3 dB TYPICAL
- MINIMUM ATTENUATION STEP:..... 0.5 dB
- TEMPERATURE STABILITY:..... ±0.25 dB OVER OPERATING TEMPERATURE
- SWITCHING SPEED:..... ON: 1 us MAXIMUM
OFF: 0.5 us MAXIMUM
- CONNECTORS:..... RF IN / OUT: SMA (F)
POWER AND CONTROL: 15-PIN MICRO-D FEMALE
- POWER SUPPLIES:..... +15VDC @ 300 mA MAXIMUM
- FINISH:..... PAINTED BLUE
(BOTTOM IS GOLD PLATED)

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... +55°C ± 1°C (OPERATING)
-45°C TO +85°C (STORAGE)

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

J3 15-PIN CONNECTOR PIN-OUT	
PIN	FUNCTION
1	4 dB
2	2 dB
3	1 dB
4	0.5 dB (LSB)
5	GND
6	TS+
7	TS-
8	GND
9	N/C
10	N/C
11	+15VDC
12	64 dB (MSB)
13	32 dB
14	16 dB
15	8 dB



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	PLANAR MONOLITHICS INDUSTRIES, INC.	
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REISSUED			TITLE OUTLINE DTA-200M18G-100-CD-1	
ISSUED			SIZE B	FSCM NO. 05XQ0
			DWG NO. 27035200	REV. A1
			SCALE 1:1	SHEET 1 OF 1