

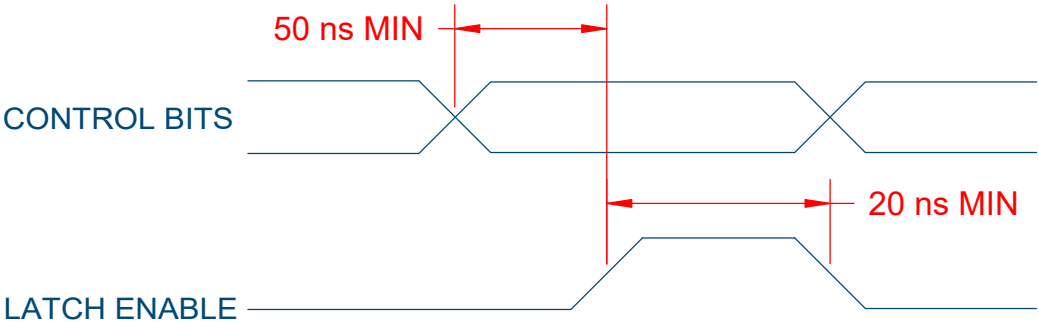
DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER DTA-2G18G-60-1W-10B-HERM IS A 2 GHz TO 18 GHz, 10 BIT PROGRAMMABLE, 60 dB, PIN DIODE ATTENUATOR WITH STEP RESOLUTION AS LOW AS 0.06 dB.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 2 TO 18.0 GHz
- MEAN ATTENUATION RANGE:..... 60 dB
- INSERTION LOSS:..... 5.0 dB MAX
- INPUT / OUTPUT VSWR:..... 2:1 MAX
- ATTENUATION ACCURACY:..... UP TO 20 dB: ±1.1 dB MAX
UP TO 40 dB: ±1.6 dB MAX
UP TO 60 dB: ±2.2 dB MAX
- MINIMUM ATTENUATION STEP:..... 0.06 dB NOM
- INPUT POWER:..... 1 WATT CW MAX (SURVIVAL)
- SWITCHING SPEED:..... 5us MAX (INCLUDING SETTLING TIME)
- CONTROL LOGIC:..... 10 BIT TTL
ENABLED (ATT ON): "1" (2 TO 5V)
DISABLED (ATT OFF): "0" (0 TO 0.8V)
- LATCH:..... EXTERNAL TTL
- POWER SUPPLY:..... +14.25 TO +15.75VDC @ 200 mA MAX
- CONNECTORS:..... 2X SMA FEMALE
15-PIN MICRO-D FEMALE
(SHIPPED WITH MATING CONNECTOR)
- WEIGHT:..... 90g MAX
- FINISH:..... PAINTED BLUE
- SEALING:..... HERMETIC

J3: 15-PIN CONNECTOR PIN-OUT	
PIN	FUNCTION
1	2 dB
2	1 dB
3	0.5 dB
4	0.25 dB
5	GND
6	0.13 dB
7	0.06 dB (LSB)
8	GND
9	LATCH
10	N/C
11	+VDC
12	32 dB (MSB)
13	16 dB
14	8 dB
15	4 dB

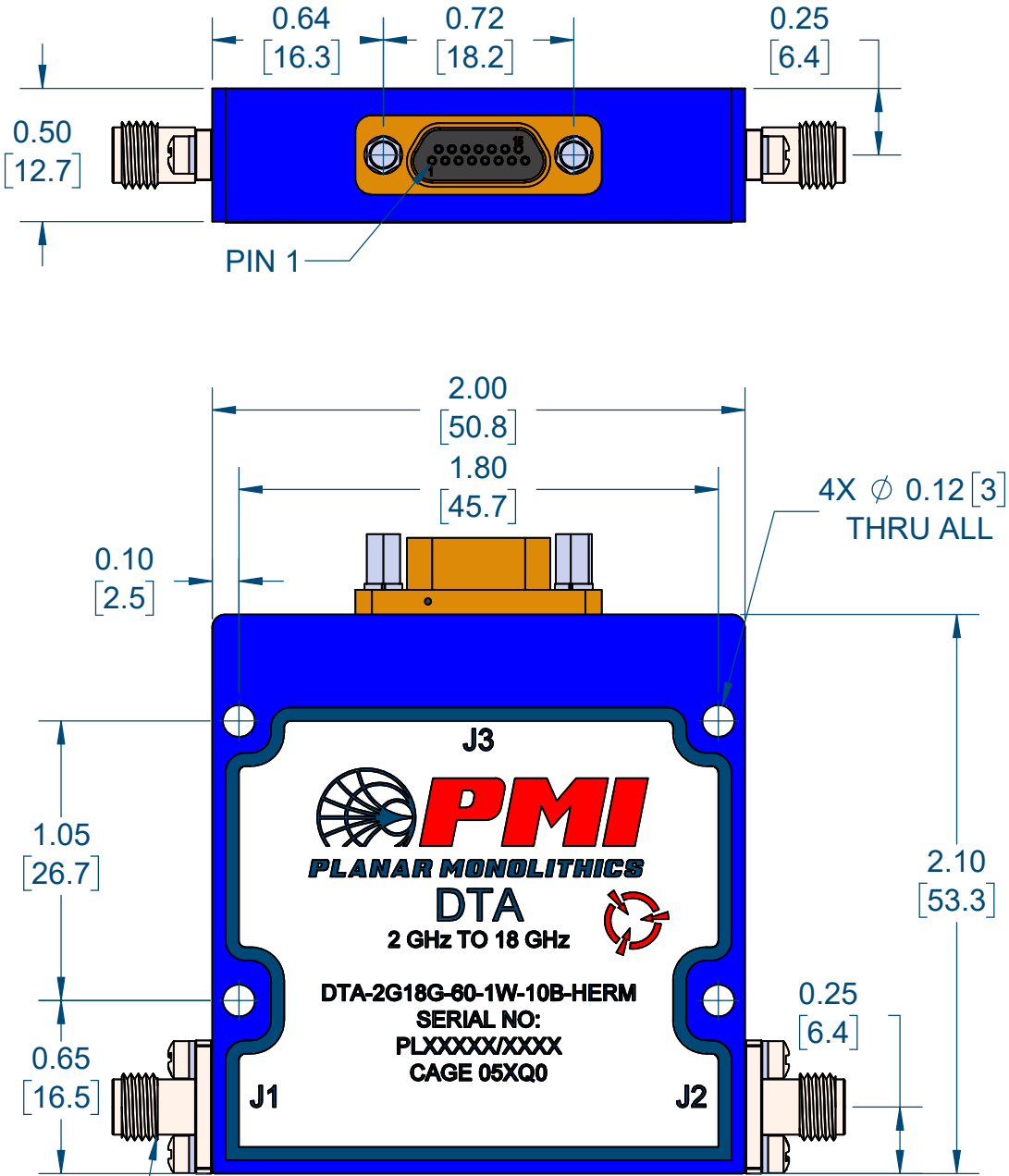


ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103 COND. B
- SHOCK:..... MIL-STD-202, METHOD 213 COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105 COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107 COND. A

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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	6/19/2026	



2X SMA-F
(FIELD REPLACEABLE)

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01		APPROVALS	DATE	TITLE OUTLINE DTA-2G18G-60-1W-10B-HERM			
		DRAWN D. HOSCHAR REDRAWN	6/19/2026				
		ISSUED		SIZE B	FSCM NO. 05XQ0	DWG NO. 27055300	REV. A1
				SCALE 1.5:1			SHEET 1 OF 1



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