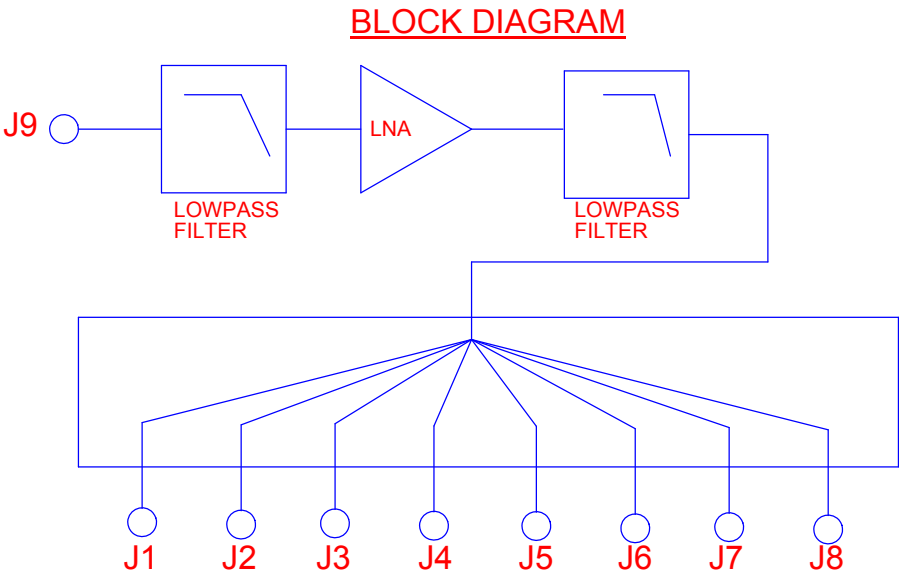


DESCRIPTION:
PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER APD-8-10M-12V IS AN 8-WAY AMPLIFIED POWER DIVIDER MODULE TO PROVIDE A 10MHz SIGNAL TO 8 OUTPUTS WITH 4 dB OF LOSS. THIS MODULE BALANCES A LOW NOISE FIGURE WITH HIGH OUTPUT POWER.

SPECIFICATIONS:

- FREQUENCY:..... 10 MHz
- INSERTION LOSS:..... 4 dB, ± 1.5dB MAX
- VSWR:..... 2 : 1 MAX
- INPUT POWER P1dB:..... +20 dBm TYP
- INPUT POWER:..... +23 dBm MAX (SURVIVAL)
- OUTPUT PORT TO PORT ISOLATION:..... 25 dB TYP
- POWER SUPPLY:..... +12V @ 750mA MAX
- SIZE:..... 4.00" X 2.00" X 0.55"
- FINISH:..... NICKEL PLATED

9-PIN CONNECTOR	
PIN-OUT	
PIN	FUNCTION
1	GND
2	GND
3	GND
4	NC
5	GND
6	NC
7	NC
8	+12V
9	+12V

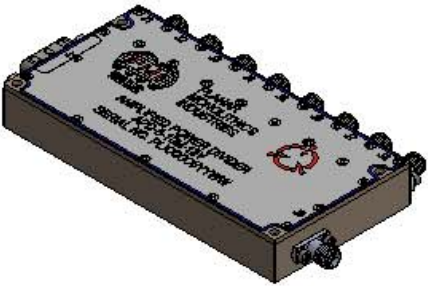
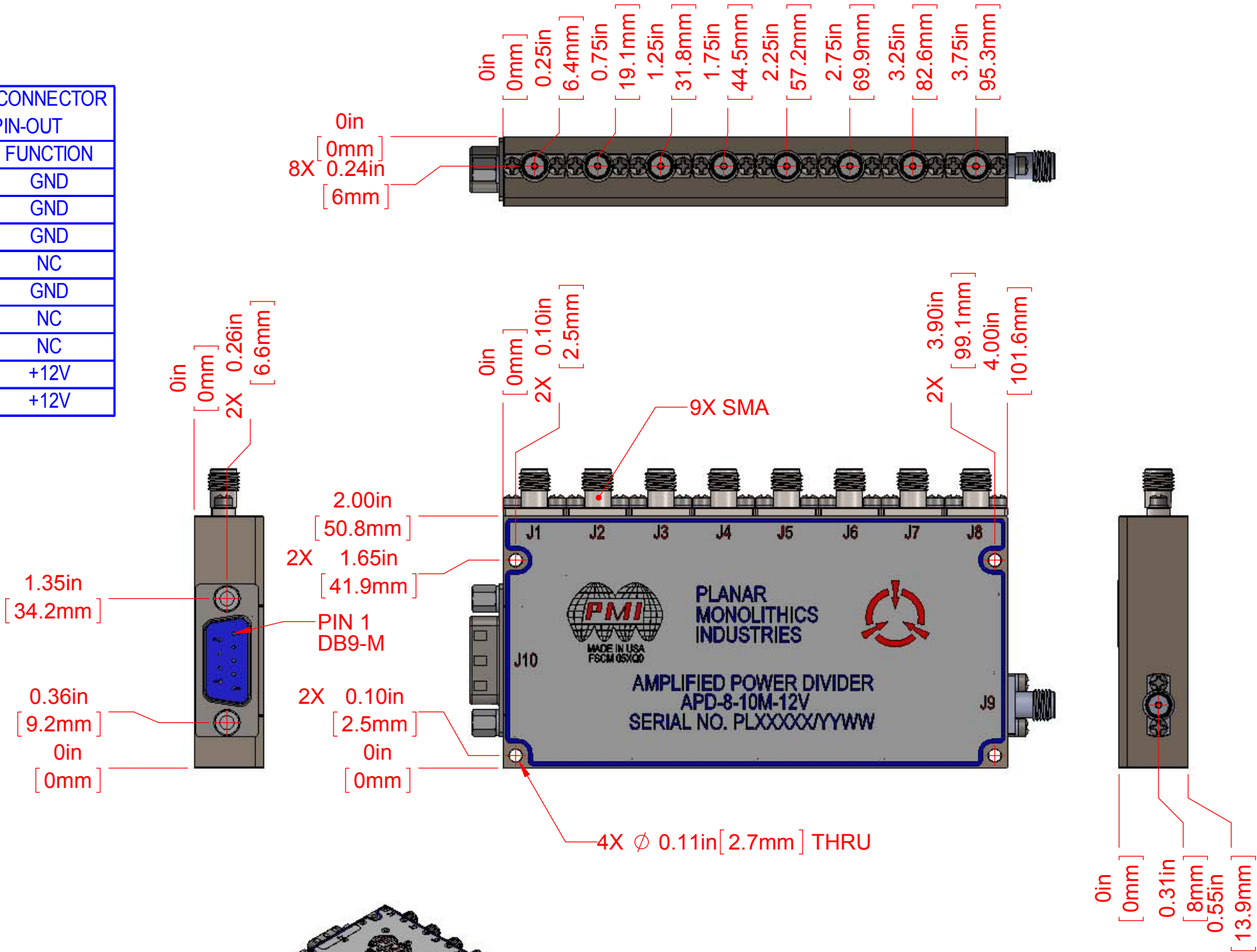


ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
..... -40°C TO +85°C (STORAGE)
- HUMIDITY:..... MIL-STD-810, 0 TO 95% NON-CONDENSING
- SHOCK:..... MIL-STD-810, 516.6 COMPLIANT, 20G, 11 ms DURATION
- VIBRATION:..... MIL-STD-810, METHOD 515, FIG. 3 (NON-OP)
- ALTITUDE:..... MIL-STD-810, 15000 FT

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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	4/12/2019	



APPROVALS		DATE	TITLE			
DRAWN	M. HANKEN	4/12/2019	OUTLINE			
REDRAWN			APD-8-10M-12V			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			B	05XQ0	27035680	A1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01			SCALE 1:1		SHEET 1 OF 1	

PMI CONFIDENTIAL AND PROPRIETARY

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