

DESCRIPTION:

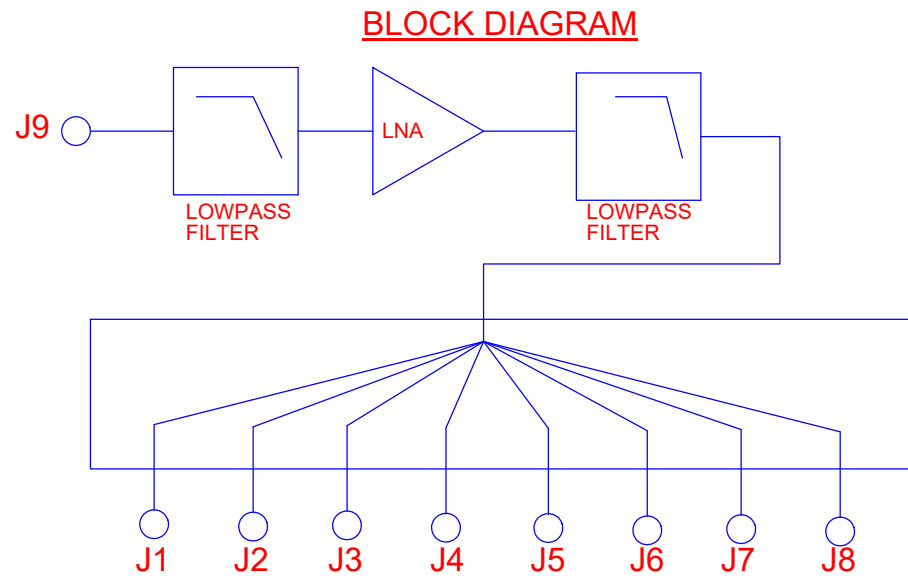
PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER APD-8-100M-28V IS AN 8-WAY AMPLIFIED POWER DIVIDER MODULE TO PROVIDE A 100MHz SIGNAL TO 8 OUTPUTS WITH 4 dB OF LOSS. THIS MODULE BALANCES A LOW NOISE FIGURE WITH HIGH OUTPUT POWER.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/11/2018	

SPECIFICATIONS:

- FREQUENCY:..... 100 MHz
- INSERTION LOSS:..... 4 dB, ± 1.5dB MAX
- VSWR:..... 2 : 1 MAX
- NOISE FIGURE:..... 9 dB MAX
6 dB GOAL
- INPUT POWER P1dB:..... +13 dBm TYP
- INPUT POWER:..... +20 dBm MAX (SURVIVAL)
- OUTPUT PORT TO PORT ISOLATION:.... 25 dB TYP
- POWER SUPPLY:..... +28V @ +750mA MAX
- SIZE:..... 4.00" X 2.00" X 0.55"
- WEIGHT:..... 140 GRAMS MAX
- FINISH:..... NICKEL PLATED

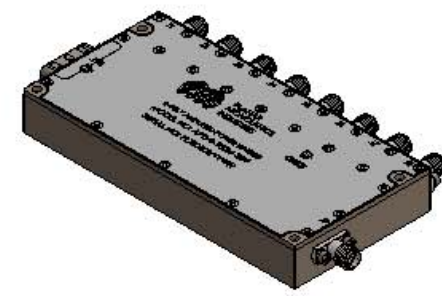
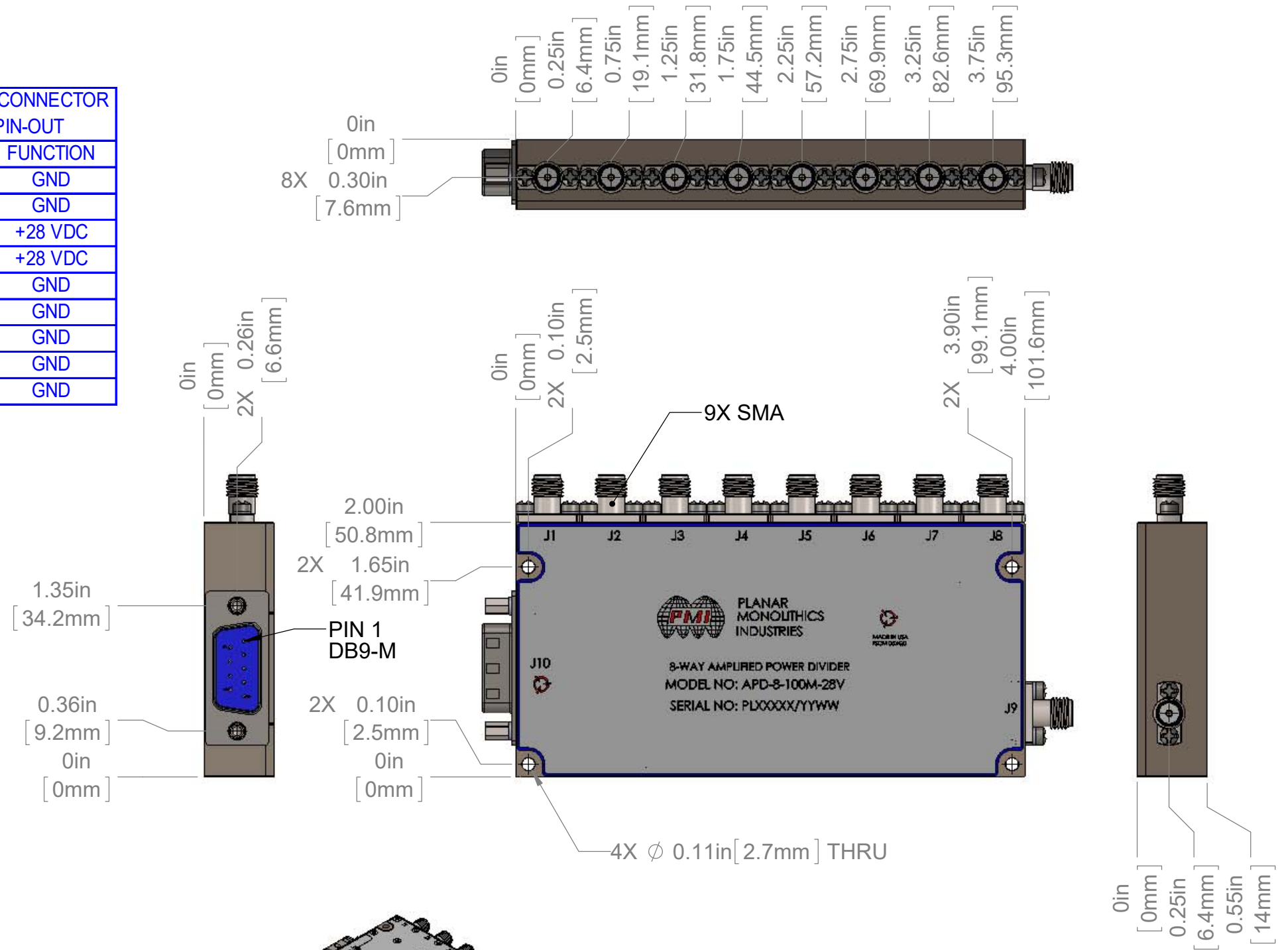
9-PIN CONNECTOR PIN-OUT	
PIN	FUNCTION
1	GND
2	GND
3	+28 VDC
4	+28 VDC
5	GND
6	GND
7	GND
8	GND
9	GND



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

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



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS DRAWN M. HANKEN REDRAWN ISSUED		DATE 1/11/2018	TITLE OUTLINE APD-8-100M-28V		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS .XX ± 0.02 ANGLES ± DECIMALS .XXX ± 0.01		SIZE B	FSCM NO. 05XQ0	DWG NO. 27033800	REV. A1
SCALE 1:1			SHEET 1 OF 1		

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