

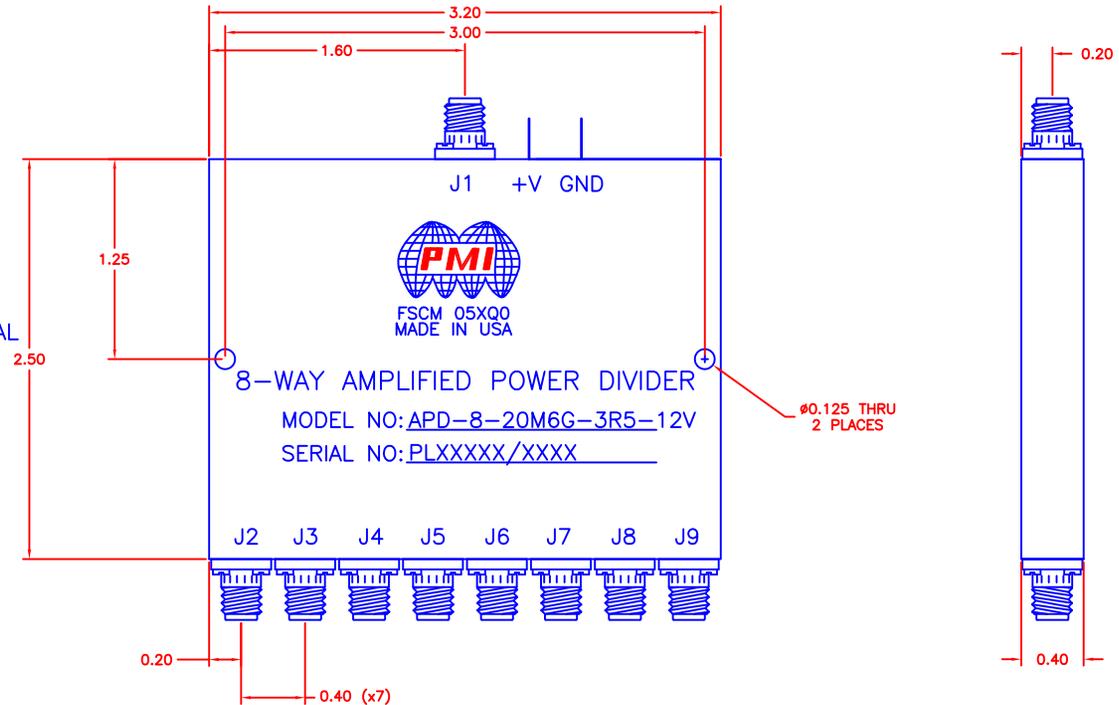
## DESCRIPTION

PMI MODEL APD-8-20M6G-3R5-12V-SFF IS A 20 MHz to 6.0 GHz, 8-WAY, AMPLIFIED POWER DIVIDER HAVING A GAIN OF 3.5 dB TYPICAL. THE SIZE IS 3.2" x 2.5" x 0.40".

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/21/14	

## SPECIFICATIONS

- FREQUENCY RANGE: ..... 20 MHz to 6.0 GHz
- GAIN: ..... 3.5 dB TYPICAL
- VSWR: ..... 2.0:1 MAXIMUM
- IMPEDANCE: ..... 50 OHMS
- POWER HANDLING: INPUT P1dB -12 dBm TYPICAL
- SURVIVAL: 2 WATTS
- NOISE FIGURE: 7.5dB TYPICAL
- POWER SUPPLY: ..... +8 to +12VDC @ 150mA TYPICAL
- SIZE: ..... 3.2" x 2.5" x 0.40"
- FINISH: ..... PAINTED BLUE



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## ENVIRONMENTAL RATINGS

- TEMPERATURE: ..... -55°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 107D COND. A

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

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

## PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD  
FREDERICK, MARYLAND 21704 USA  
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ISO 9001 CERTIFIED



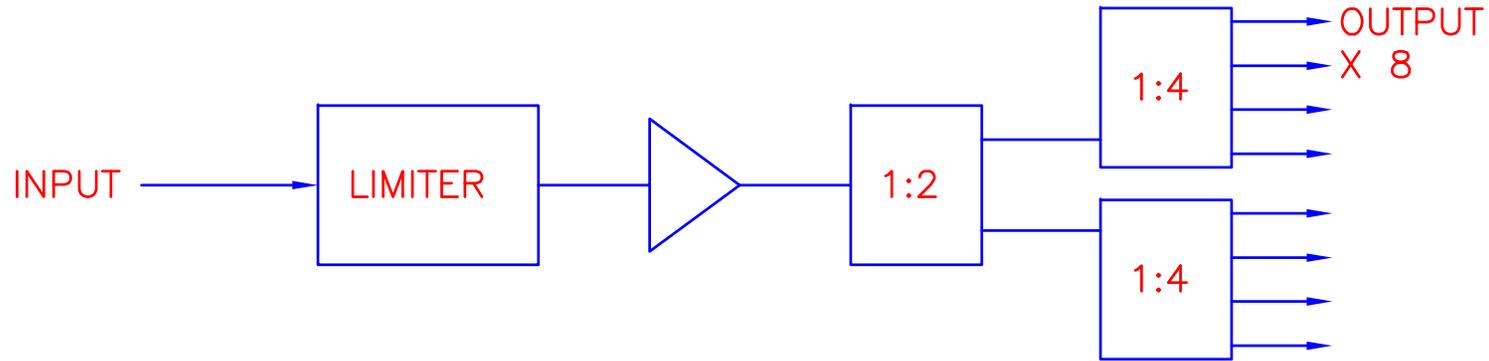
APPROVALS		DATE	TITLE			
DRAWN PDW		11/21/14	PRODUCT FEATURE APD-8-20M6G-3R5-12V-SFF 20MHz to 6GHz, AMPLIFIED POWER DIVIDER			
REDRAWN			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	PRELIMINARY	-
			SCALE	N:S	SHEET 1 OF 2	

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**BLOCK DIAGRAM**



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APPROVALS		DATE	TITLE		
		11/21/14	PRODUCT FEATURE		
DRAWN	<i>PDW</i>		APD-8-20M6G-3R5-12V-SFF		
REDRAWN			20MHz to 6GHz, AMPLIFIED POWER DIVIDER		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	PRELIMINARY
			SCALE	N:S	SHEET 2 OF 2