

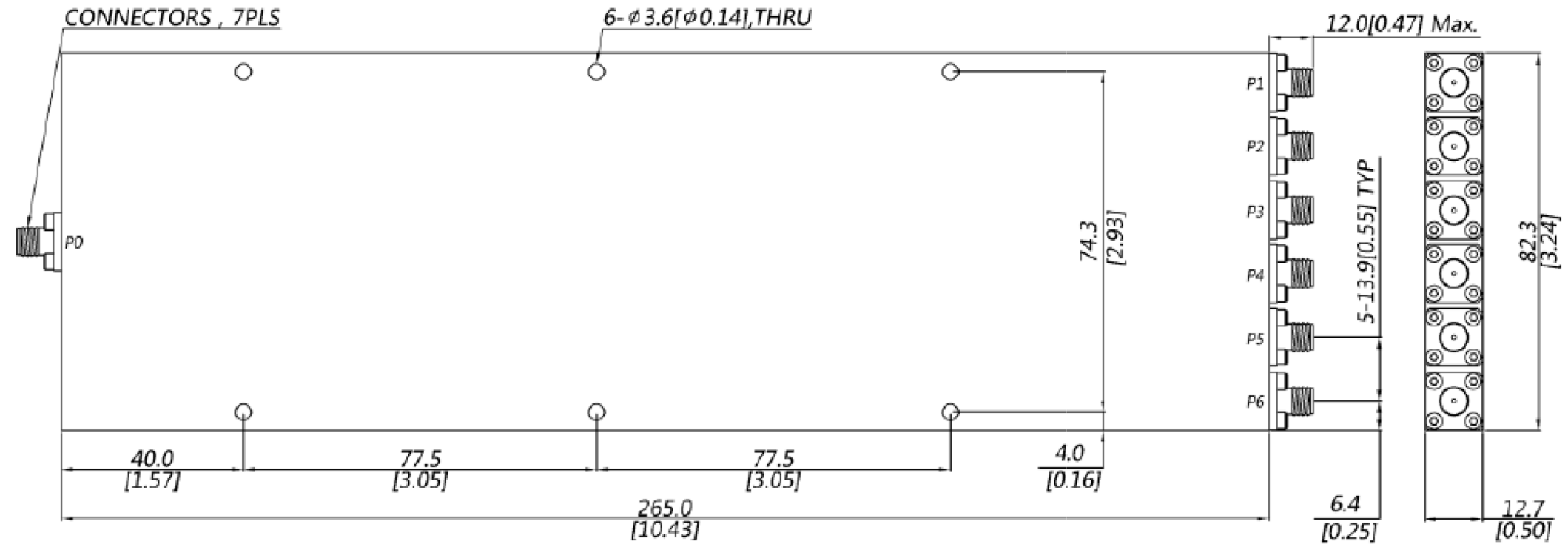
DESCRIPTION:

PMI MODEL NUMBER APD-6-0R5G20G-SFF IS A 6-WAY POWER DIVIDER/COMBINER DESIGNED TO OPERATE OVER THE 0.5 TO 20 GHz FREQUENCY RANGE.

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	07/23/25	

SPECIFICATIONS:

- **FREQUENCY:** 0.5 GHz TO 20 GHz
- **VSWR:** 1.6:1 MAX
- **INSERTION LOSS:** 2.8 dB MAX* @ 0.5 TO 8 GHz
4.9 dB MAX* @ 8 TO 20 GHz
*ABOVE 7.8 dB THEORETICAL LOSS
- **AMPLITUDE BALANCE:** ±0.5 dB MAX @ 0.5 TO 8 GHz
±0.7 dB MAX @ 8 TO 20 GHz
- **PHASE BALANCE:** ±6° MAX @ 0.5 TO 8 GHz
±8° MAX @ 8 TO 20 GHz
- **ISOLATION:** 17 dB MIN @ 0.5 TO 8 GHz
18 dB MIN @ 8 TO 20 GHz
- **INPUT POWER:** FORWARD: 30 W CW MAX
REVERSE: 2 W CW MAX
- **WEIGHT:** 790 g MAX
- **CONNECTORS:** SMA FEMALE
- **FINISH** PAINTED BLUE



ENVIRONMENTAL RATINGS

- **TEMPERATURE:** -55°C TO +85°C (OPERATING)
-55°C TO +100°C (STORAGE)
- **TEMPERATURE CYCLE:** MIL-STD-202, METHOD 107D CONDITION A
- **VIBRATION:** MIL-STD-202, METHOD 204D CONDITION B
- **SHOCK:** MIL-STD-202, METHOD 213B CONDITION B

PMI CONFIDENTIAL AND PROPRIETARY

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 ISO 9001 CERTIFIED



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.010 ± ± .XXX ± 0.008 ±	
MATERIAL:	
FINISH:	
DO NOT SCALE DRAWING	

APPROVALS		DATE	TITLE		
DRAWN		07/23/25	PRODUCT FEATURE APD-6-0R5G20G-SFF		
REDRAWN			SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	PRELIMINARY
SCALE			N:S	SHEET	1 OF 1