

DESCRIPTION

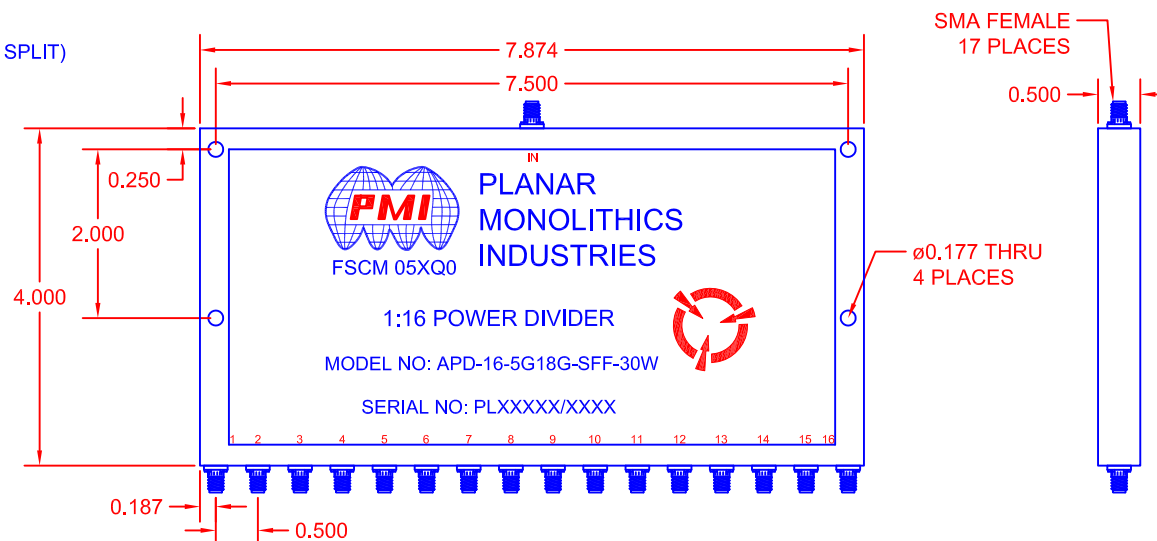
PMI MODEL NO. APD-16-5G18G-SFF-30W IS A 16-WAY POWER DIVIDER THAT OPERATES OVER THE FREQUENCY RANGE OF 5.0 TO 18.0 GHz. IT HAS A MINIMUM ISOLATION OF 16 dB AND A MAXIMUM INSERTION LOSS OF 3.5 dB (ABOVE 12.04 dB SPLIT). THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	1/22/2019	

MECHANICAL OUTLINE

SPECIFICATIONS

- FREQUENCY RANGE: 5.0 TO 18.0 GHz
- INSERTION LOSS: 3.5 dB MAX (ABOVE 12.04 dB SPLIT)
- VSWR INPUT: 1.80:1 MAX
- VSWR OUTPUT: 1.60:1 MAX
- ISOLATION: 16 dB MIN
- AMPLITUDE BALANCE: ± 1 dB MAX
- PHASE BALANCE: $\pm 8^\circ$ MAX
- AMPLITUDE TRACKING: ± 1 dB MAX
- PHASE TRACKING: $\pm 8^\circ$ MAX
- POWER HANDLING: FORWARD: 30 WATTS MAX
REVERSED: 1 WATT MAX
- IMPEDANCE: 50 OHMS
- CONNECTORS: SMA FEMALE
- FINISH: PAINTED BLUE



ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: UP TO 95%, NON-CONDENSING (OPERATING)
- 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

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

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE APD-16-5G18G-SFF-30W				
APPROVALS	DATE					
DRAWN <i>EW</i>	<i>1/22/19</i>					
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -	
ISSUED		SCALE N:S		SHEET 1	OF 1	