

DESCRIPTION

PMI MODEL NO. APD-16-8G12G-SFF-30W IS A 16-WAY POWER DIVIDER THAT OPERATES OVER THE FREQUENCY RANGE OF 8.0 TO 12.0 GHz. IT HAS A MINIMUM ISOLATION OF 16 dB AND A MAXIMUM INSERTION LOSS OF 1.8 dB (ABOVE 12.04 dB SPLIT). THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 8.0 TO 12.0 GHz
- INSERTION LOSS: 1.8 dB MAX (ABOVE 12.04 dB SPLIT)
- VSWR INPUT: 1.60:1 MAX
- VSWR OUTPUT: 1.50:1 MAX
- ISOLATION: 16 dB MIN
- AMPLITUDE BALANCE: ± 0.8 dB MAX
- PHASE BALANCE: $\pm 10^\circ$ 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

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

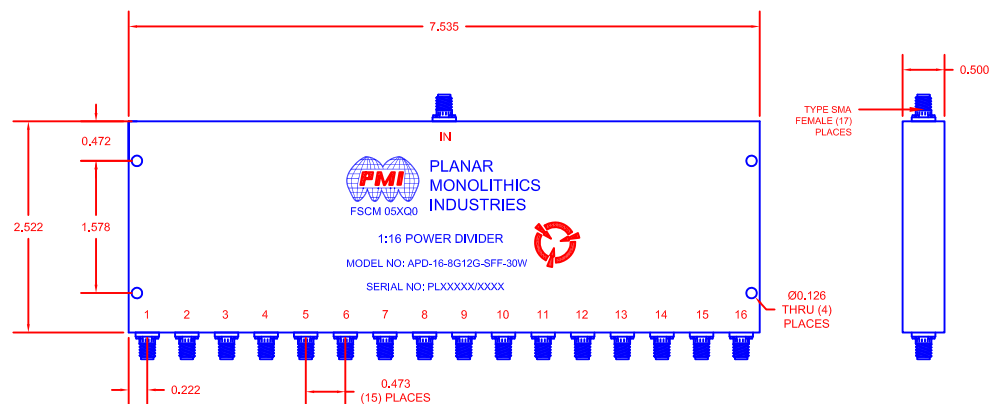
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	5/10/2022	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD

FREDERICK, MARYLAND 21704 USA

TEL: (301)-662-5019, FAX: (301)-662-1731

WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE APD-16-8G12G-SFF-30W				
APPROVALS	DATE					
DRAWN <i>AF</i>	5/10/22					
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV -	
ISSUED		SCALE N:S		SHEET 1 OF 1		