

DESCRIPTION

PMI MODEL APD-8-500M18G-SFF-30W IS AN EIGHT WAY POWER DIVIDER FEATURING HIGH ISOLATION, LOW INSERTION LOSS, LOW VSWR AND HAS EXCELLENT PHASE AND AMPLITUDE BALANCE.

SPECIFICATIONS

- FREQUENCY RANGE: 0.5 TO 18 GHz
- INSERTION LOSS: 8.0 dB MAXIMUM (ABOVE 9.03 dB SPLIT)
- VSWR: INPUT: 2.0:1 MAXIMUM
OUTPUT: 1.8:1 MAXIMUM
- ISOLATION: 12 dB MINIMUM @ 0.5 TO 0.6 GHz
14 dB MINIMUM @ 0.6 TO 18.0 GHz
- AMPLITUDE BALANCE: ± 1.0 dB MAXIMUM
- PHASE BALANCE: $\pm 9^\circ$ MAXIMUM
- POWER HANDLING: FORWARD: 30 W MAXIMUM
REVERSED: 1 W MAXIMUM
- IMPEDANCE: 50 Ω
- CONNECTORS: SMA FEMALE (X9)
- FINISH: PAINTED BLUE
- SOLDER: LEAD FREE, RoHS COMPLIANT
- WEIGHT: 1160 g

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

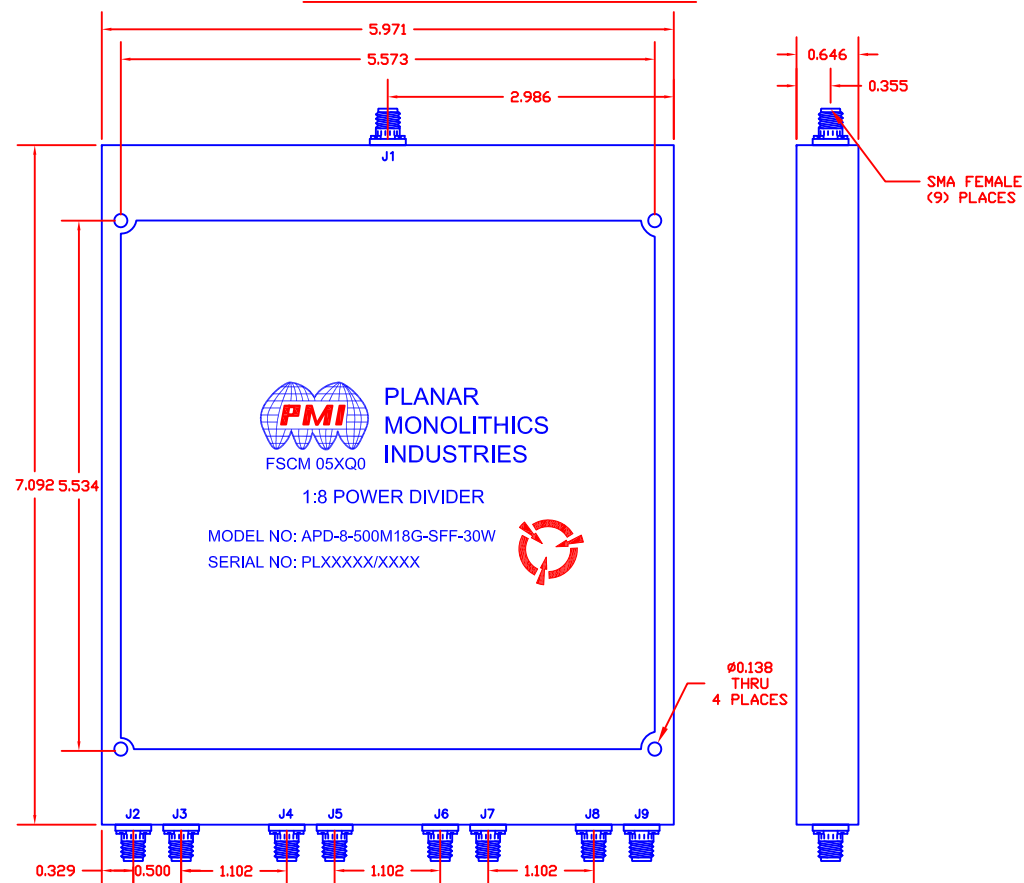
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	07/19/17	

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



APPROVALS		DATE		TITLE	
DRAWN		7/19/17		PRODUCT FEATURE	
CHECKED				APD-8-500M18G-SFF-30W	
ISSUED					
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		PRELIMINARY	
SCALE		N:S		SHEET	
				1 OF 1	