

DESCRIPTION

PMI MODEL APD-4-500M18G-SFF-30W IS A FOUR 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: 5.5 dB MAXIMUM (ABOVE 3.01 dB SPLIT)
- VSWR: INPUT: 1.9:1 MAXIMUM
OUTPUT: 1.7:1 MAXIMUM
- ISOLATION: 12 dB MINIMUM @ 0.5 TO 0.6 GHz
14 dB MINIMUM @ 0.6 TO 18.0 GHz
- AMPLITUDE BALANCE: ± 0.6 dB MAXIMUM
- PHASE BALANCE: $\pm 6^\circ$ MAXIMUM
- POWER HANDLING: FORWARD: 30 W MAXIMUM
REVERSED: 1 W MAXIMUM
- IMPEDANCE: 50 Ω
- CONNECTORS: SMA FEMALE (X5)
- FINISH: PAINTED BLUE
- SOLDER: LEAD FREE, RoHS COMPLIANT
- WEIGHT: 330 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

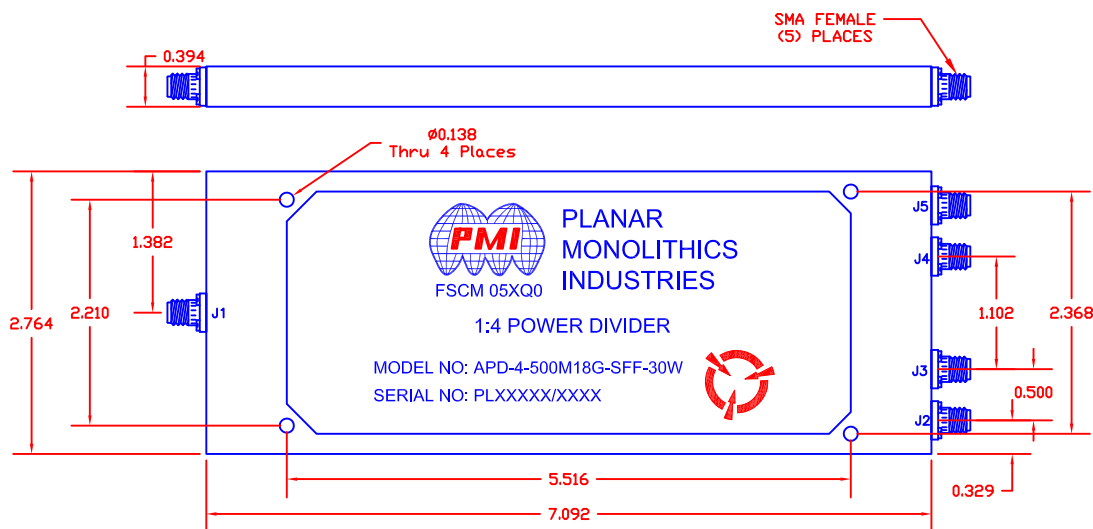
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	11/15/18	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			
DRAWN		NJ A		PRODUCT FEATURE			
CHECKED		11/15/18		APD-4-500M18G-SFF-30W			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	27035861	B1
				SCALE	N:S	SHEET	1 OF 1