

## DESCRIPTION

PMI MODEL APD-6-400M3G-17-SFF-75W IS A SIX WAY POWER DIVIDER FEATURING HIGH ISOLATION, LOW INSERTION LOSS, LOW VSWR AND HAS EXCELLENT PHASE AND AMPLITUDE BALANCE.

## SPECIFICATIONS

- FREQUENCY RANGE: 0.4 TO 3.0 GHz
- INSERTION LOSS: 2.0 dB MAXIMUM (ABOVE 7.78 dB SPLIT)
- VSWR: 1.5:1 MAXIMUM
- ISOLATION: 17 dB MINIMUM
- AMPLITUDE BALANCE:  $\pm 0.5$  dB MAXIMUM
- PHASE BALANCE:  $\pm 6^\circ$  MAXIMUM
- POWER HANDLING: FORWARD: 75 W MAXIMUM  
REVERSED: 5 W MAXIMUM
- IMPEDANCE: 50  $\Omega$
- CONNECTORS: SMA FEMALE (X7)
- FINISH: PAINTED BLUE

## ENVIRONMENTAL RATINGS

- TEMPERATURE: -55  $^\circ$ C TO +85  $^\circ$ C (OPERATING)  
-65  $^\circ$ C TO +125  $^\circ$ 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

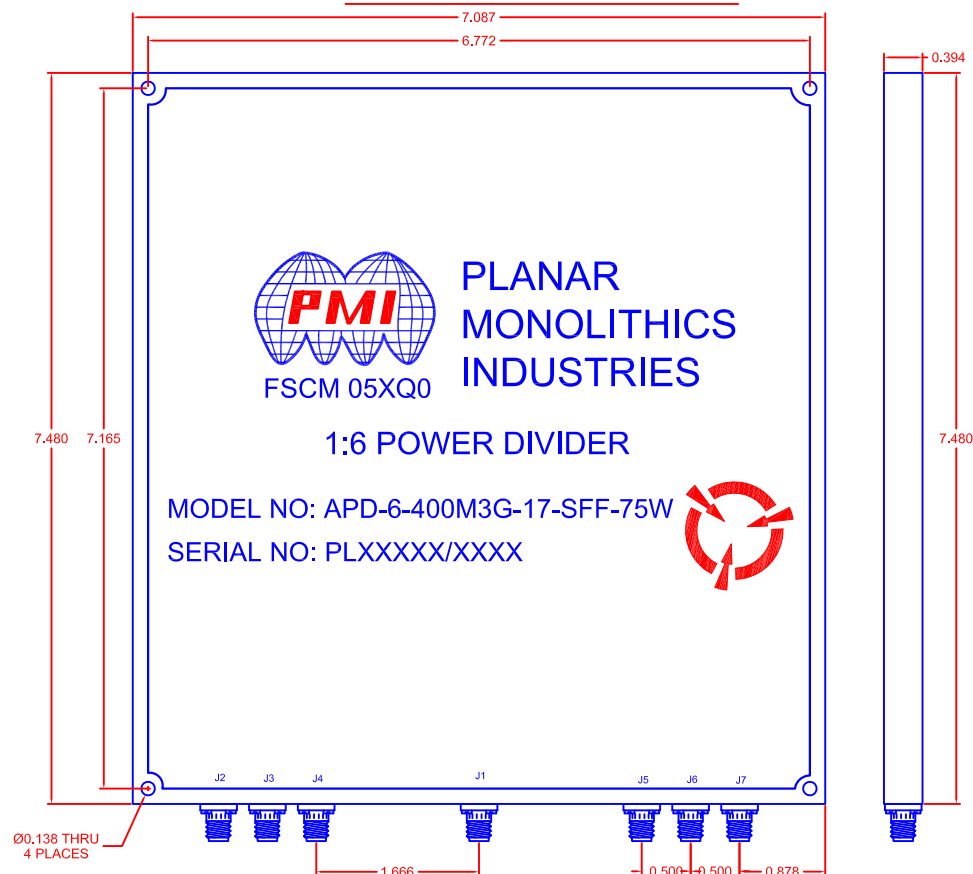
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX  $\pm 0.020$   
X.XXX  $\pm 0.010$

**PMI CONFIDENTIAL AND PROPRIETARY**

| REVISIONS |      |             |          |          |
|-----------|------|-------------|----------|----------|
| ZONE      | REV. | DESCRIPTION | DATE     | APPROVED |
|           | -    | PRELIMINARY | 06/08/17 |          |
|           |      |             |          |          |

## 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](http://www.pmi-rf.com), EMAIL: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)

ISO 9001 CERTIFIED



|                     |        |                                                         |                   |                            |           |  |
|---------------------|--------|---------------------------------------------------------|-------------------|----------------------------|-----------|--|
|                     |        | TITLE<br><br>PRODUCT FEATURE<br>APD-6-400M3G-17-SFF-75W |                   |                            |           |  |
| APPROVALS           | DATE   |                                                         |                   |                            |           |  |
| DRAWN<br><i>EMF</i> | 6/8/17 |                                                         |                   |                            |           |  |
| CHECKED             |        |                                                         |                   |                            |           |  |
| ISSUED              |        | SIZE<br>A                                               | FSCM NO.<br>05XQ0 | DWG NO.<br><br>PRELIMINARY | REV.<br>- |  |
|                     |        | SCALE<br>N:S                                            |                   | SHEET<br>1 OF 1            |           |  |