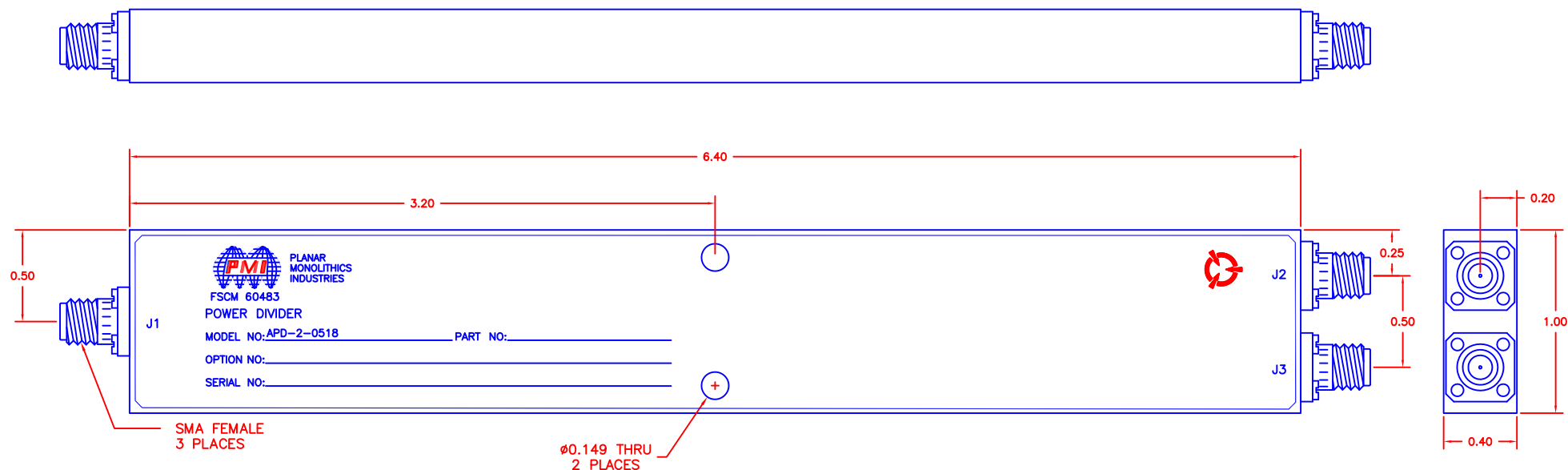


## DESCRIPTION

PMI MODEL APD-2-0518 IS A TWO WAY STRIPLINE POWER DIVIDER FEATURING HIGH ISOLATION, LOW INSERTION LOSS AND LOW VSWR. DESIGNED FOR BROADBAND OPERATION AND HIGH RELIABILITY.

| REVISIONS |      |             |         |
|-----------|------|-------------|---------|
| ZONE      | REV. | DESCRIPTION | DATE    |
|           | -    | PRELIMINARY | 9/16/17 |



## SPECIFICATIONS

- FREQUENCY RANGE: ..... 0.5 TO 18.0 GHz
- INSERTION LOSS: ..... 0.5 TO 8.0 GHz, 0.8 dB MAXIMUM  
8.0 TO 18.0 GHz, 1.8 dB MAXIMUM
- VSWR: ..... 0.5 TO 8.0 GHz, 1.5:1 MAXIMUM  
8.0 TO 18.0 GHz, 1.75:1 MAXIMUM
- ISOLATION: ..... 0.5 TO 8.0 GHz, 18.0 dB MINIMUM  
8.0 TO 18.0 GHz, 17.0 dB MINIMUM
- AMPLITUDE BALANCE: ..... 0.5 TO 8.0 GHz,  $\pm 0.6$  dB  
8.0 TO 18.0 GHz,  $\pm 0.75$  dB
- PHASE BALANCE: ..... 0.5 TO 8.0 GHz,  $\pm 8^\circ$   
8.0 TO 18.0 GHz,  $\pm 10^\circ$
- AVERAGE POWER INTO LOAD VSWR:  
1.2:1 ..... 25 WATTS  
2.0:1 ..... 7.5 WATTS  
 $\infty$ :1 ..... 0.75 WATTS
- SIZE: ..... 6.40" (L) x 1.00" (W) x 0.40" (H)

## ENVIRONMENTAL RATINGS:

- TEMPERATURE: ..... -54°C TO +55°C (OPERATING)  
-65°C TO +100°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  $\pm 0.010$

## PLANAR MONOLITHICS INDUSTRIES, INC.

7311-G GROVE ROAD  
FREDERICK, MARYLAND 21704 USA  
TEL: 301-631-1579 FAX: 301-662-2029  
WEBSITE: [www.planarmonolithicsindustries.com](http://www.planarmonolithicsindustries.com)  
E-MAIL: [sales@planarmonolithics.com](mailto:sales@planarmonolithics.com)  
ISO 9001:2000 CERTIFIED



|                                      |                    |                                                                                                                 |                                      |                                           |                              |
|--------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------|------------------------------|
| <div>APPROVALS</div> <div>DATE</div> |                    | <div>TITLE</div> <div>PRODUCT FEATURE</div> <div>APD-2-0518</div> <div>0.5 - 18.0 GHz 2 WAY POWER DIVIDER</div> |                                      |                                           |                              |
|                                      |                    |                                                                                                                 |                                      |                                           |                              |
|                                      |                    |                                                                                                                 |                                      |                                           |                              |
| <div>DRAWN</div> <div>EMF</div>      | <div>9/16/17</div> | <div>SIZE</div> <div>A</div>                                                                                    | <div>FSCM NO.</div> <div>OZXZ8</div> | <div>DWG NO.</div> <div>PRELIMINARY</div> | <div>REV.</div> <div>-</div> |
| <div>CHECKED</div>                   |                    |                                                                                                                 |                                      |                                           |                              |
| <div>ISSUED</div>                    |                    | <div>SCALE</div> <div>N:S</div>                                                                                 | <div>SHEET</div> <div>1 OF 3</div>   |                                           |                              |