

PMI MODEL PEC-218-BRF-SM-TNCF IS A SWITCHED FILTER CONTAINING TWO PATHS. THE FIRST PATH IS A 2.0 TO 18.0 GHz THRU PATH. THE SECOND PATH INCLUDES A 60dB REJECTION FROM 4.2 TO 4.4 GHz.

- FREQUENCY RANGE:\_\_\_\_\_ 2.0 TO 18.0 GHz
- INSERTION LOSS:
  - THRU PATH:\_\_\_\_\_ 2.5dB TYP
  - FILTER PATH:\_\_\_\_\_ 4.0dB TYP
- -3dB PASSBAND CUTOFF FREQUENCY:— 4.0 AND 4.6GHz
- REJECTION LEVEL AND FREQUENCY:\_\_\_\_\_ -60dB MIN AT 4.2 TO 4.4GHz
- VSWR (INPUT/OUTPUT):\_\_\_\_\_ 2.0:1 MAX
- SWITCH ISOLATION (PATH TO PATH):\_\_\_\_\_ 70dB TYP
- INPUT POWER:\_\_\_\_\_ 1 WATT CW, 10 WATTS PEAK
- DC VOLTAGE:\_\_\_\_\_ +28VDC
- SIZE \_\_\_\_\_ (L) 8.0" X (W) 6.0" X (H) 2.0"
- FINISH \_\_\_\_\_ CLEAR IRIDITED WITH BLUE SILKSCREEN

| J3 PINDUT |                |
|-----------|----------------|
| A         | +28 VDC        |
| B         | +28 VDC RETURN |
| C         | CHASSIS GROUND |

- **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

| REVISIONS |      |                     |          |          |
|-----------|------|---------------------|----------|----------|
| ZONE      | REV. | DESCRIPTION         | DATE     | APPROVED |
|           | —    | PRELIMINARY RELEASE | 2/20/07  |          |
|           | A1   | ECN # 14-0098       | 07/07/14 |          |

The drawing shows the mechanical specifications for the PEC-218-BRF-SM-TNCF connector. The top view (left) shows a rectangular unit with a width of 6.00 inches and a height of 5.12 inches. It features a central TNC (F) connector labeled J2, with a 4.00-inch distance from the top edge and a 0.44-inch offset from the right edge. The side view (right) shows a height of 2.00 inches and a 1.00-inch offset from the top edge. The front view (bottom) shows a width of 6.00 inches and a height of 1.50 inches. It features two connectors: J1 (TNC) and J3 (MIL-C-26482 series or equivalent). The distance between the connectors is 5.75 inches, and the distance from the left edge to J1 is 4.00 inches. The distance from the right edge to J3 is 0.44 inches. The unit is labeled with "PLANAR MONOLITHICS INDUSTRIES", "MODEL NO: PEC-218-BRF-SM-TNCF", "PART NO: 27306840", and "SERIAL NO: PLXXXXX/XXXX". It also includes a "MADE IN USA" logo and a "PSICH 15000" marking. The drawing specifies "TNC (F) CONNECTORS, 2 PLACES" and "MIL-C-26482 SERIES OR EQUIVALENT CONNECTOR, 1 PLACE". The unit is labeled with "J2", "J1", and "J3". The drawing also includes a note "0.56 Typ." and "R0.19 THRU, 4 PLACES".

PMI CONFIDENTIAL AND PROPRIETARY

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|           |  |          |                     |          |          |              |      |
|-----------|--|----------|---------------------|----------|----------|--------------|------|
| APPROVALS |  | DATE     | TITLE               |          |          |              | REV. |
|           |  |          | PRODUCT FEATURE     |          |          |              |      |
|           |  |          | PEC-218-BRF-SM-TNCF |          |          |              |      |
| DRAWN     |  | 2/20/07  | SIZE                | FSCM NO. | DWG NO.  | A1           |      |
| CHECKED   |  | 07/09/18 | A                   | 05XQ0    | 27006841 |              |      |
| ISSUED    |  |          | SCALE N: S          |          |          | SHEET 1 OF 1 |      |