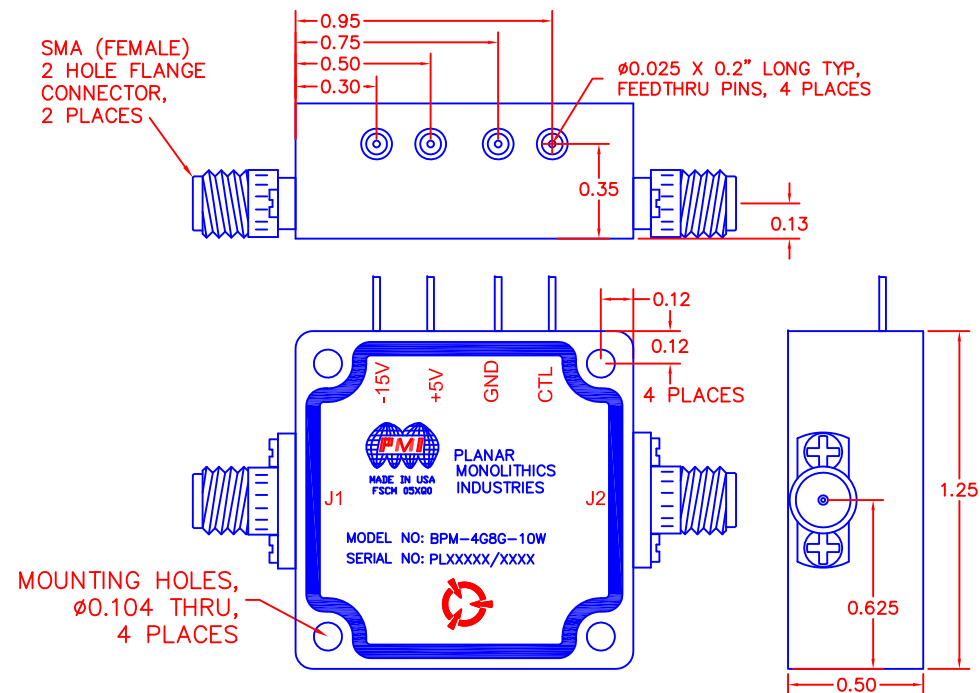


PMI MODEL NUMBER: BPM-4G8G-10W IS A BI-PHASE MODULATOR, OPERATING OVER THE 4-8 GHz FREQUENCY RANGE. THIS MODEL ALSO FEATURES A TTL CONTROL, AND 10 WATT POWER HANDLING.

| REVISIONS |      |                     |          |          |
|-----------|------|---------------------|----------|----------|
| ZONE      | REV. | DESCRIPTION         | DATE     | APPROVED |
|           | —    | PRELIMINARY RELEASE | 06/24/14 |          |
|           |      |                     |          |          |
|           |      |                     |          |          |

- FREQUENCY RANGE: . . . . . 4 TO 8 GHz
- INSERTION LOSS: . . . . . 3dB MAX
- AMPLITUDE ERROR: . . . . .  $\pm 1.0$ dB MAX
- PHASE ERROR: . . . . .  $\pm 10^\circ$  MAX
- VSWR: . . . . . 2.0:1 MAX
- SWITCHING TIME: . . . . . 500nSec MAX
- INPUT POWER: . . . . . +40dBm CW OR PEAK MAX
- DC SUPPLY: . . . . . +5VDC @ 100mA  
-15VDC @ 50mA
- SIZE: . . . . . (L) 1.25" X (W) 1.25" (H) 0.5"
- FINISH: . . . . . GOLD PLATED



PMI CONFIDENTIAL AND PROPRIETARY

|                    |                                                         |
|--------------------|---------------------------------------------------------|
| TEMPERATURE:       | -40°C TO +85°C (OPERATING)<br>-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 107 COND. A                        |

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

**PLANAR MONOLITHICS INDUSTRIES, INC.**

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ISO 9001 CERTIFIED



|                  |         |                                                                                  |                   |                     |              |
|------------------|---------|----------------------------------------------------------------------------------|-------------------|---------------------|--------------|
|                  |         | <div> <div>TITLE</div> <div>PRODUCT FEATURE</div> <div>BPM-4G8G-10W</div> </div> |                   |                     |              |
| APPROVALS        | DATE    |                                                                                  |                   |                     |              |
| DRAWN <i>PGK</i> | 6/24/18 |                                                                                  |                   |                     |              |
| CHECKED          |         | SIZE<br>A                                                                        | FSCM NO.<br>05XQ0 | DWG NO.<br>270XXXXX | REV.<br>—    |
| ISSUED           |         | SCALE N:S                                                                        |                   |                     | SHEET 1 OF 1 |