

## DESCRIPTION

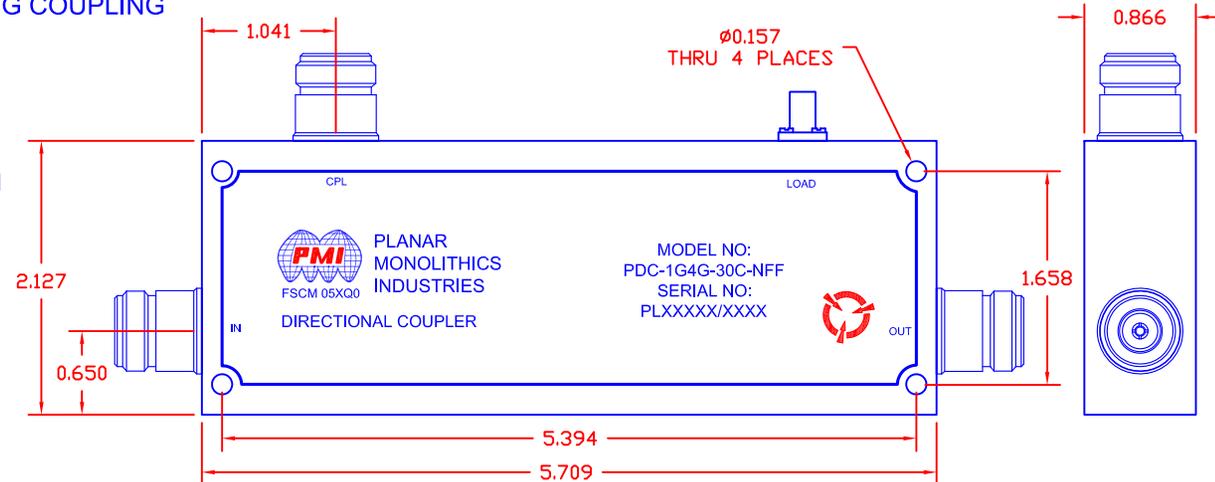
PMI MODEL PDC-1G4G-30C-NFF IS A 1.0 TO 4.0 GHz DIRECTIONAL COUPLER HAVING A 30 dB±1.0 dB MAXIMUM COUPLING FACTOR AND 17 dB MINIMUM DIRECTIVITY.

| REVISIONS |      |             |         |          |
|-----------|------|-------------|---------|----------|
| ZONE      | REV. | DESCRIPTION | DATE    | APPROVED |
|           | -    | PRELIMINARY | 09/1/17 |          |
|           |      |             |         |          |
|           |      |             |         |          |

## MECHANICAL OUTLINE

## SPECIFICATIONS

- FREQUENCY RANGE: 1.0 TO 4.0 GHz
- INSERTION LOSS: 0.3 dB MAXIMUM (EXCLUDING COUPLING LOSS 0.04 dB)
- COUPLING FACTOR: 30 dB ±1.0 dB MAXIMUM
- DIRECTIVITY: 17 dB MINIMUM
- VSWR: PRIMARY: 1.25:1 MAXIMUM  
SECONDARY: 1.25:1 MAXIMUM
- POWER HANDLING: INCIDENT: 400 W MAXIMUM  
REFLECTED: 50 W MAXIMUM
- IMPEDANCE: 50 Ω
- CONNECTORS: N TYPE (F)
- FINISH: PAINTED BLUE



## ENVIRONMENTAL RATINGS

- TEMPERATURE: -40 °C TO +85 °C (OPERATING)
- HUMIDITY: UP TO 95%, NON-CONDENSING

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**

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ISO 9001 CERTIFIED



| APPROVALS           |  | DATE    | TITLE                               |          |             |              |
|---------------------|--|---------|-------------------------------------|----------|-------------|--------------|
| DRAWN <i>E.M.F.</i> |  | 09/1/17 | PRODUCT FEATURE<br>PDC-1G4G-30C-NFF |          |             |              |
| CHECKED             |  |         | SIZE                                | FSCM NO. | DWG NO.     | REV.         |
| ISSUED              |  |         | A                                   | 05XQ0    | PRELIMINARY | -            |
|                     |  |         | SCALE                               | N:S      |             | SHEET 1 OF 1 |