

## DESCRIPTION

PMI MODEL QC-5D3G6G IS QUADRATURE COUPLER THAT OPERATES BETWEEN THE FREQUENCY RANGE OF 5.3 TO 6.0 GHz.

## SPECIFICATIONS

- FREQUENCY RANGE: . . . . . 5.3 TO 6.0 GHz
- ISOLATION: . . . . . 18dB
- INSERTION LOSS: . . . . . 1dB (+3dB THEORETICAL)
- VSWR: . . . . . 1.4:1
- IMPEDANCE: . . . . . 50Ω
- AMPLITUDE BALANCE: . . . . . ±0.7dB
- PHASE BALANCE: . . . . . ±5°
- SIZE: . . . . . (L) 1.25" X (W) 0.75" X (H) 0.37"
- FINISH: . . . . . PAINTED GRAY

| CONNECTOR FUNCTIONS |           |           |           |           |
|---------------------|-----------|-----------|-----------|-----------|
| INPUT               | J1        | J2        | J3        | J4        |
| J1                  | X         | ISOLATION | 90°       | 0°        |
| J2                  | ISOLATION | X         | 0°        | 90°       |
| J3                  | 90°       | 0°        | X         | ISOLATION |
| J4                  | 0°        | 90°       | ISOLATION | X         |

## ENVIRONMENTAL RATINGS

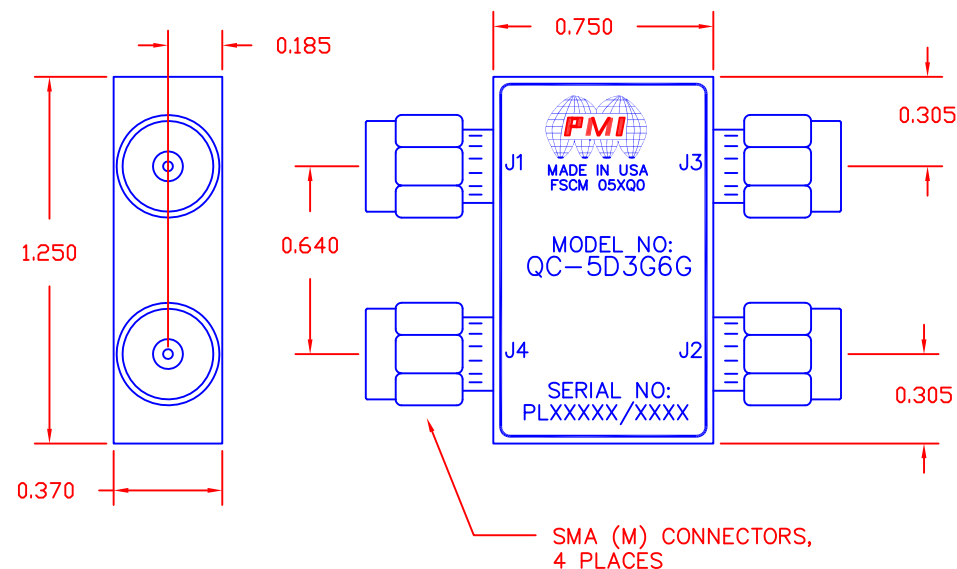
- TEMPERATURE: . . . . . -55°C TO + 85°C (OPERATING)  
-65°C TO +125°C (STORAGE)
- HUMIDITY: . . . . . MIL-STD-202F, METHOD 103B COND. B
- SHOCK: . . . . . MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: . . . . . MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: . . . . . MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: . . . . . MIL-STD-202F, METHOD 107D COND. A

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX ±0.010  
X.XXX ±0.005

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

| REVISIONS |      |                  |          |
|-----------|------|------------------|----------|
| ZONE      | REV. | DESCRIPTION      | DATE     |
|           | A    | ORIGINAL RELEASE | 06/12/12 |
|           |      |                  |          |

## MECHANICAL OUTLINE



CONFIDENTIAL & PROPRIETARY

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ISO 9001:2000 CERTIFIED



| APPROVALS |  | DATE     |  | TITLE           |          |          |        |
|-----------|--|----------|--|-----------------|----------|----------|--------|
| DRAWN     |  | 06/12/12 |  | PRODUCT FEATURE |          |          |        |
| CHECKED   |  |          |  | QC-5D3G6G       |          |          |        |
| ISSUED    |  |          |  | SIZE            | FSCM NO. | DWG NO.  | REV.   |
|           |  |          |  | A               | 05XQ0    | 27016961 | A      |
|           |  |          |  | SCALE           | N: S     | SHEET    | 1 OF 1 |