DESCRIPTION

PMI MODEL NO. QC-2040 IS A 3 dB, 90 DEGREE QUADRATURE COUPLER THAT OPERATES OVER THE FREQUENCY RANGE OF 2.0 TO 4.0 GHz. IT IS DESIGNED FOR LOW INSERTION LOSS, LOW VSWR, PHASE AND AMPLITUDE BALANCE AND PACKAGED IN A VERY SMALL SIZE.

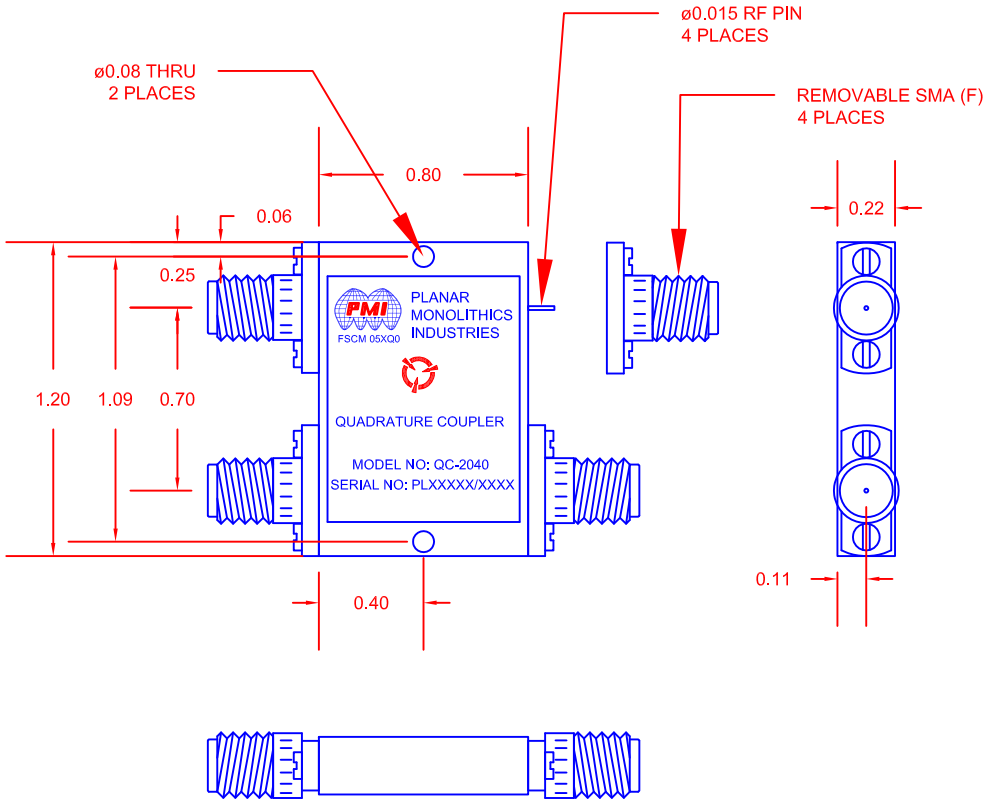
REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	1/9/2019	

SPECIFICATIONS

- FREQUENCY: ---------- 2.0 TO 4.0 GHz
- INSERTION LOSS: ---------- 0.30 dB MAX
- ISOLATION: ---------- 20 dB MIN, 29 dB TYP
- VSWR MAXIMUM: ---------- 1.30:1 MAX
- AMPLITUDE BALANCE: ---------- ±0.50 dB MAX
- PHASE BALANCE: ---------- ±2.0° MAX
- POWER: ---------- 75 CW WATTS
- WEIGHT: ---------- 1 oz TYP
- SIZE: ---------- 0.80" x 1.20" x 0.22"

MECHANICAL OUTLINE



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

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.
7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: (301)-662-5019, FAX: (301)-662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN KL	9/9/98
REDRAWN CW	1/9/19
ISSUED	

TITLE: PRODUCT FEATURE
QC-2040

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	PRELIMINARY	-

SCALE N:S SHEET 1 OF 1

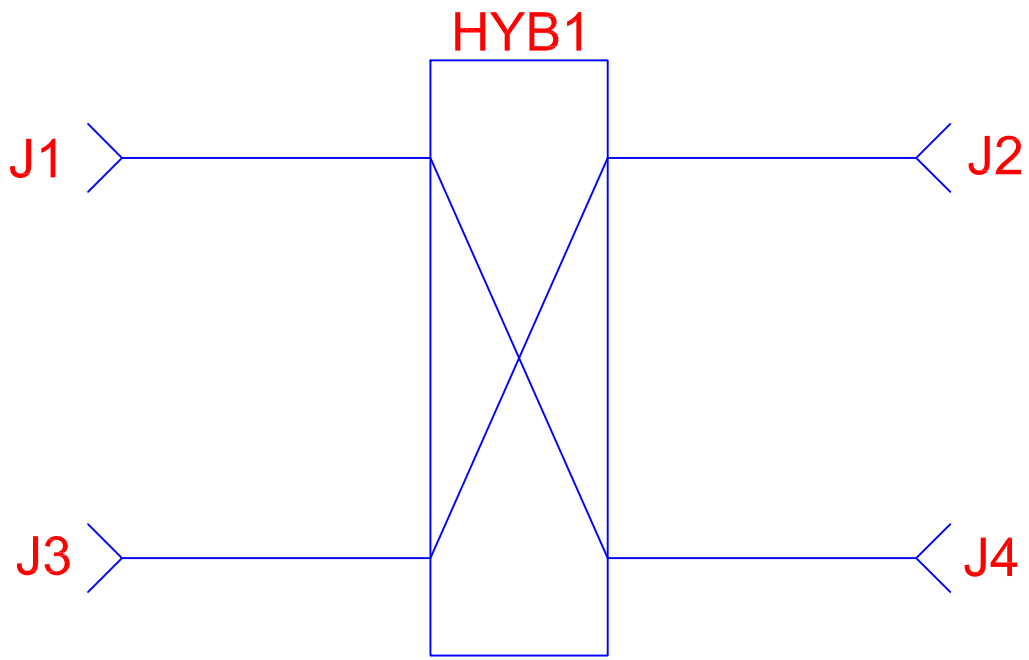
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FUNCTIONAL SCHEMATIC



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SCALE N:S | SHEET 1 OF 1