DESCRIPTION

PMI MODEL NO. QC-2G18G-90 IS A QUADRATURE COUPLER THAT OPERATES OVER THE FREQUENCY RANGE OF 2.0 TO 18.0 GHz. IT HAS A MINIMUM ISOLATION OF 20 dB AND A MAXIMUM INSERTION LOSS OF 1.2 dB. THIS PRODUCT IS OUTFITTED WITH SMA FEMALE CONNECTORS.

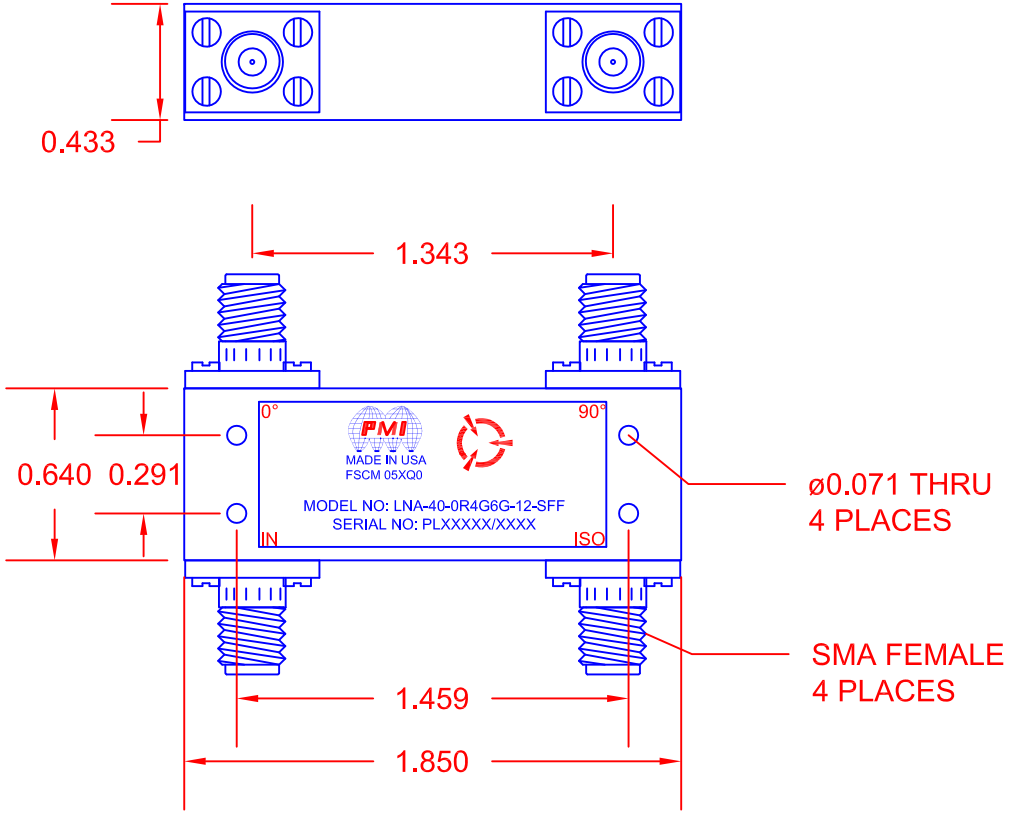
REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/29/2018	

SPECIFICATIONS

- FREQUENCY RANGE: ---------- 2.0 TO 18.0 GHz
- NOMINAL SPLIT: ---------- 3.01 dB
- INSERTION LOSS: ---------- 1.2 dB MAX
- ISOLATION: ---------- 20 dB MIN
- AMPLITUDE BALANCE: ---------- ±0.5 dB MAX
- PHASE BALANCE: ---------- ±5° MAX
- VSWR: ---------- 1.40:1 MAX
- POWER HANDLING: ---------- AVERAGE: 50 WATTS MAX
  PEAK: 1 KW MAX
- IMPEDANCE: ---------- 50 OHMS
- CONNECTORS: ---------- SMA FEMALE

MECHANICAL OUTLINE



ENVIRONMENTAL RATINGS

- TEMPERATURE: ---------- -55 °C TO +85 °C (OPERATING)
  -65 °C TO +125 °C (STORAGE)
- HUMIDITY: ---------- UP TO 95%, NON-CONDENSING
- SHOCK: ---------- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ---------- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ---------- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ---------- MIL-STD-202, 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 CW	11/29/18
REDRAWN	
ISSUED	

TITLE: PRODUCT FEATURE
QC-2G18G-90

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

SCALE N:S SHEET 1 OF 1