

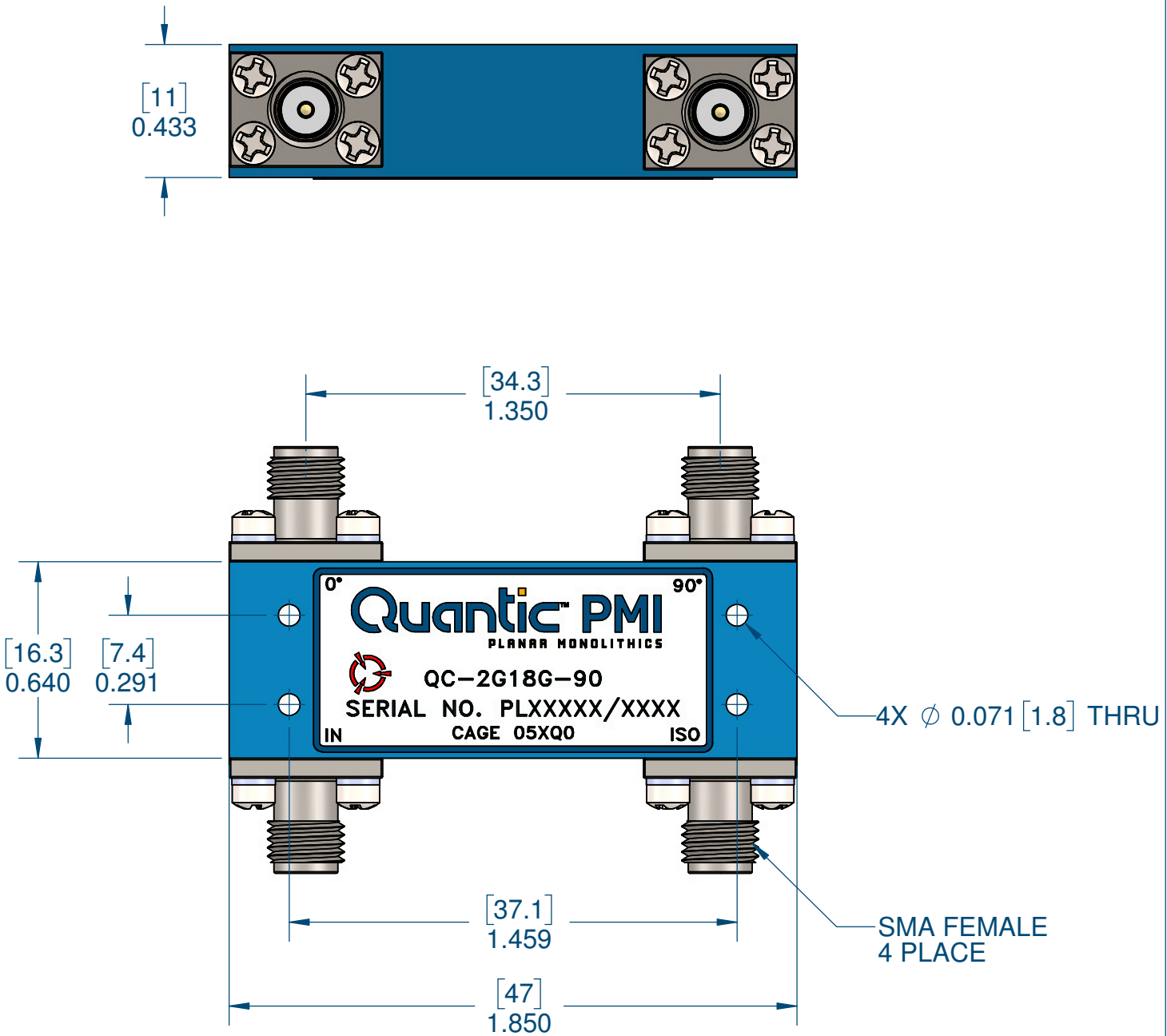
DESCRIPTION:

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 1.3 dB. THIS PRODUCT IS OUTFITTED WITH SMA FEMALE CONNECTORS.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	6/14/2024	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 2.0 TO 18.0 GHz
- NOMINAL SPLIT:..... 3.01 dB
- INSERTION LOSS @ 25°C:..... 1.3 dB MAX
- ISOLATION:..... 20 dB MIN
- AMPLITUDE BALANCE:..... ± 0.5 dB MAX
- PHASE BLANCE:..... ± 5° MAX
- VSWR:..... 1.40:1 MAX
- POWER HANDLING:..... AVERAGE: 50 WATT MAX
PEAK: 1 kW MAX
- IMPEADANCE:..... 50 OHMS
- CONNECTORS:..... SMA FEMALE
- FINISH:..... PAINTED BLUE



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
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PMI CONFIDENTIAL AND PROPRIETARY

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01 ±					Quantic PMI PLANAR MONOLITHICS 7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED										
			APPROVALS		DATE		TITLE OUTLINE QC-2G18G-90								
			DRAWN M.LAULIS		6/14/2024										
			REDRAWN				SIZE B				FSCM NO. 05XQ0		DWG NO. 27048960		REV. A1
ISSUED				SCALE 2:1								SHEET 1 OF 1			