

DESCRIPTION:
PMI MODEL:QC-1G-18G-SFF-50W IS A 1.0 TO 18.0 GHz HYBRID COUPLER.

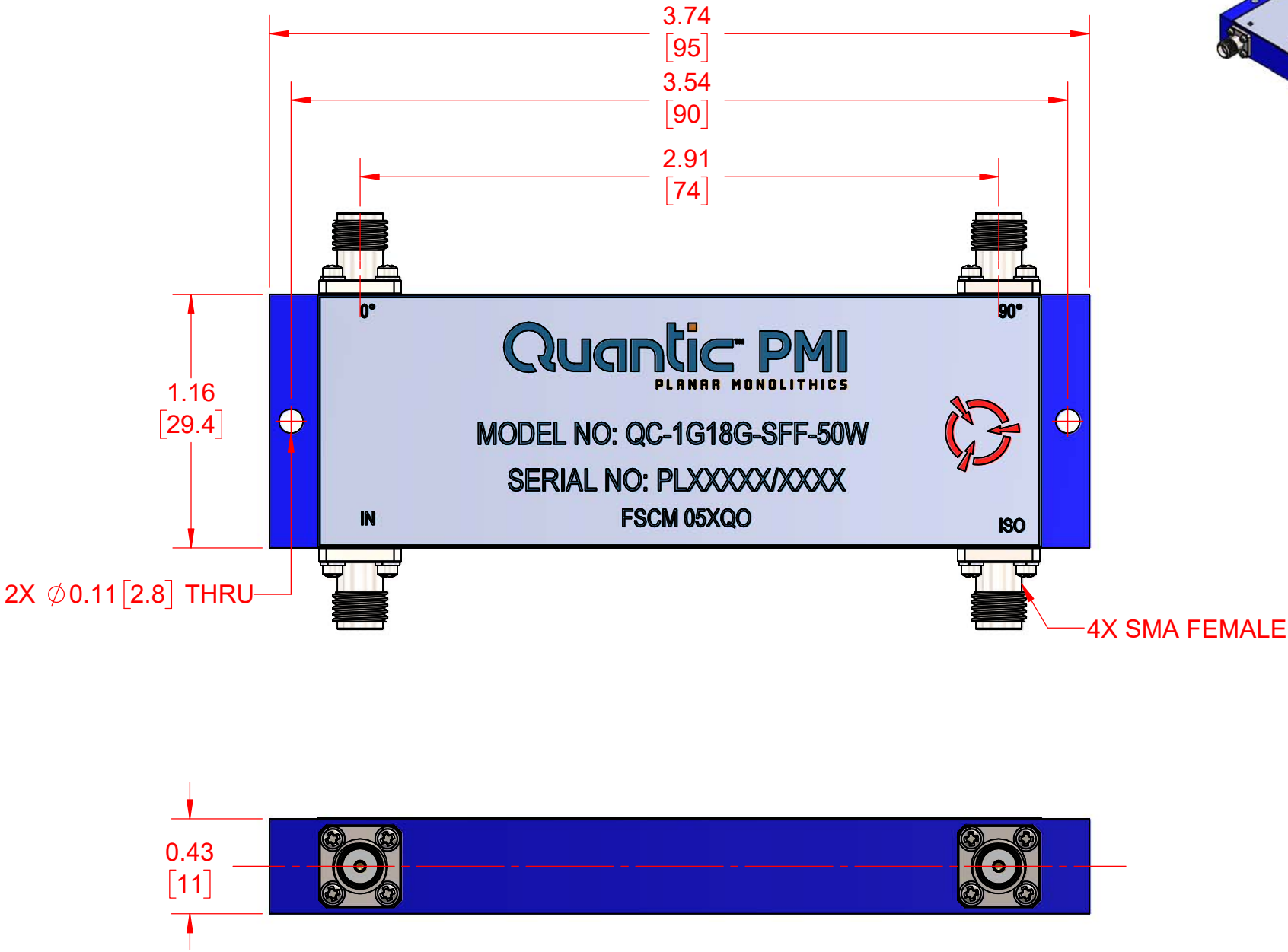
SPECIFICATIONS:

- FREQUENCY RANGE:..... 1.0 TO 18.0 GHz
- NORMAL SPLIT:.....3.01 dB
- INSERTION LOSS:..... 2.3 dB MAX.
- AMPLITUDE BALANCE: ±0.8 dB MAX.
- PHASE BALANCE:..... ±8° MAX.
- ISOLATION:..... 15 dB MIN.
- VSWR:..... 1.6:1 MAX.
- POWER HANDLING:..... AVERAGE: 50 W MAX
PEAK: 1kW MAX
- IMPEDANCE:..... 50 Ω
- CONNECTORS (IN/OUT):..... SMA FEMALE
- SIZE:..... 3.74" X 1.16" X 0.43"
- FINISH:..... PAINTED BLUE

ENVIRONMENTAL RATINGS:

- TEMPERATURE:.....-55°C TO +85°C (OPERATING)
- HUMIDITY:..... 95% RH @ 40°C
- SHOCK:..... 20G FOR 11 msec HALF SINE WAVE, 3 AXIS BOTH DIRECTIONS
- ALTITUDE:..... 60, 000 FT 1.0 psi MIN

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/5/2022	
	A2	See ECN 22-0158	11/30/2022	



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

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
± .XX ± 0.02 ±
 .XXX ± 0.01

APPROVALS
DRAWN
S AZHAR
REDRAWN
ISSUED

DATE
10/5/2022

Quantic PMI
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ISO 9001 CERTIFIED

TITLE
OUTLINE
QC-1G18G-SFF-50W

SIZE
B

FSCM NO.
05XQ0

DWG NO.
27045220

REV.
A2

SCALE 1:1

SHEET 1 OF 1