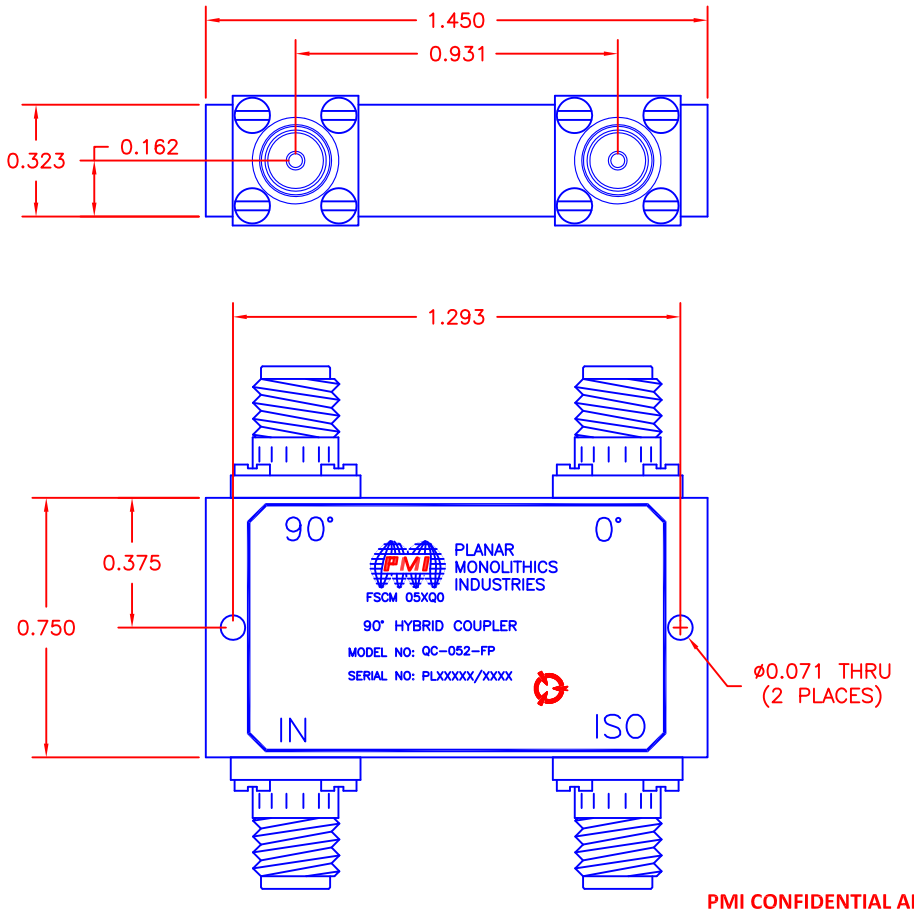
DESCRIPTION

PMI MODEL QC-052-FP IS A 0.5 TO 2.0 GHZ, 90° HYBRID COUPLER. THIS MODEL OFFERS A PHASE BALANCE OF +/-2.5 DEGREES MAXIMUM AND LOW INSERTION LOSS OF 0.5 DB MAXIMUM.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	–	PRELIMINARY	5/19/15	KM

SPECIFICATIONS

- FREQUENCY RANGE: ..... 0.5 TO 2.0 GHz
- INSERTION LOSS: ..... 0.5 dB MAXIMUM
- NOMINAL SPLIT: ..... 3.01 dB
- VSWR: ..... 1.50:1 MAXIMUM
- ISOLATION: ..... 18 dB MINIMUM
- AMPLITUDE BALANCE: ..... ±2.5 dB MAXIMUM
- PHASE BALANCE: ..... ±2.5° MAXIMUM
- POWER HANDLING: ..... AVERAGE 10 WATTS MAXIMUM
  PEAK 1KW MAXIMUM
- IMPEDANCE: 50Ω
- CONNECTORS: ..... SMA FEMALE
- FINISH: ..... PAINTED BLUE



PMI CONFIDENTIAL AND PROPRIETARY

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
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

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

APPROVALS	DATE
DRAWN K. MASON	5/19/15
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
QC-052-FP
500 MHz to 2.0 GHz 90° HYBRID COUPLER

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

SCALE N:S SHEET 1 OF 1