

DESCRIPTION

PMI MODEL: QC-7G18G-292FF-30W IS A 7.0 TO 18.0 GHZ, 90° HYBRID COUPLER. THIS MODEL OFFERS A PHASE BALANCE OF ±5 DEGREES MAXIMUM AND LOW INSERTION LOSS OF 1.3 dB MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE: 7.0 TO 18.0 GHz
- INSERTION LOSS: ≤1.3 dB
- VSWR: ≤1.40:1
- NOMINAL SPLIT: 3.01 dB
- ISOLATION: 18 dB MINIMUM
- AMPLITUDE BALANCE: ≤±0.5 dB
- PHASE BALANCE: ≤±5°
- POWER HANDLING: AVERAGE ≤30 W
PEAK ≤1 kW
- IMPEDANCE: 50 Ω
- CONNECTORS: 2.92 FEMALE (X4)
- FINISH: PAINTED BLUE

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

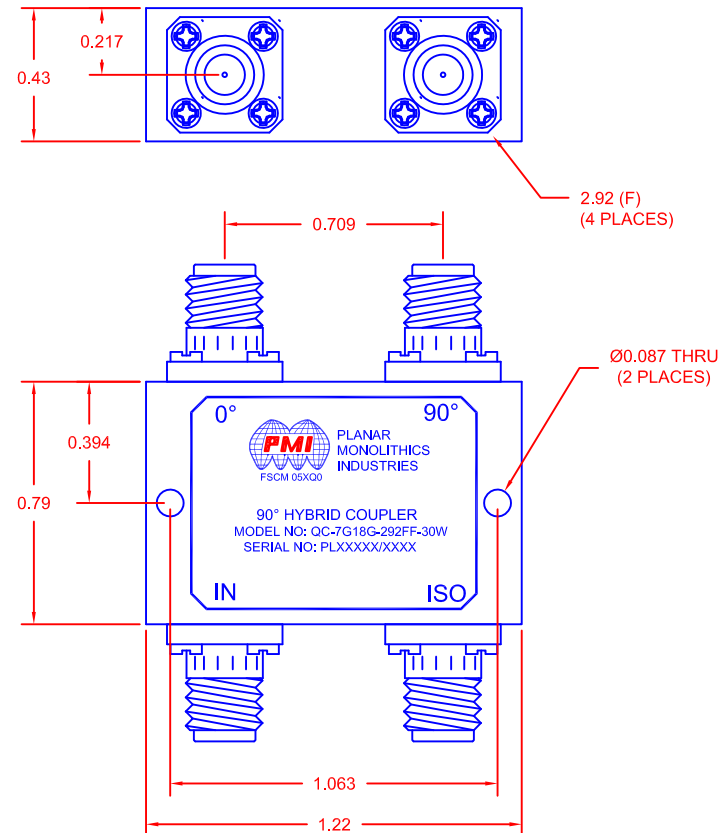
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE	05/14/15	

MECHANICAL OUTLINE



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	TITLE		
DRAWN <i>AF</i>		7/22/21	PRODUCT FEATURE QC-7G18G-292FF-30W		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO.
ISSUED			SCALE N:S		SHEET 1 OF 1