

DESCRIPTION

PMI MODEL: QC-7G18G-SFF-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: $\leq 1.40:1$
- NOMINAL SPLIT: 3.01 dB
- ISOLATION: 18 dB MINIMUM
- AMPLITUDE BALANCE: $\leq \pm 0.5$ dB
- PHASE BALANCE: $\leq \pm 5^\circ$
- POWER HANDLING: AVERAGE ≤ 30 W
PEAK ≤ 1 KW
- IMPEDANCE: 50 Ω
- CONNECTORS: SMA 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

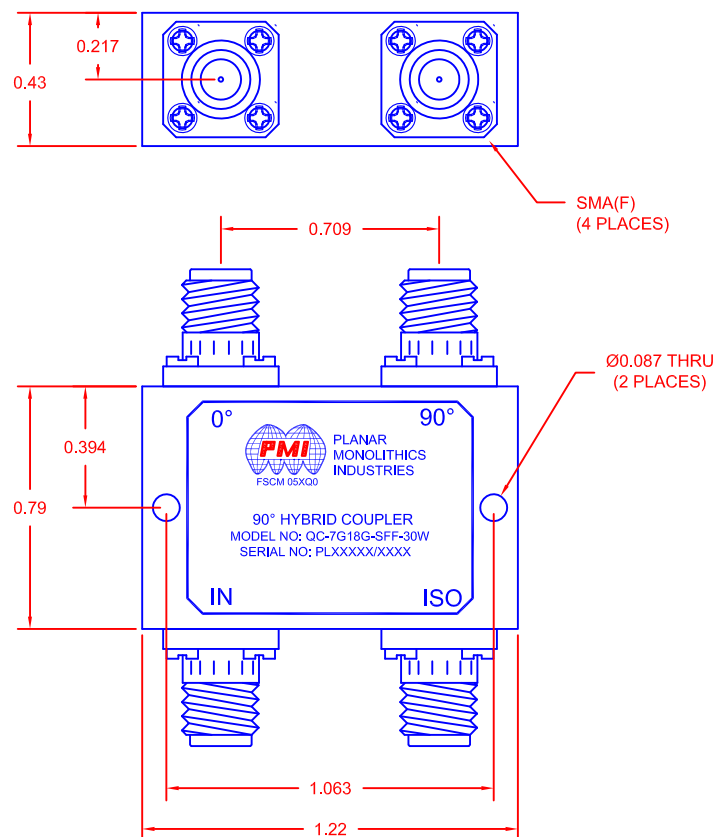
ALL DIMENSIONS ARE IN INCHES

TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	05/14/15	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE QC-7G18G-SFF-30W			
APPROVALS	DATE				
DRAWN <i>M. Berry</i>	<i>05/14/15</i>				
CHECKED					
ISSUED		SIZE A	FSCM NO. 05XQ0	DWG NO. 27025861	REV A1
		SCALE N:S	SHEET 1 OF 1		