

DESCRIPTION:

QUANTIC PMI MODEL HP-120-CD-SFM IS A BROADBAND HIGH PASS FILTER HAVING A PASSBAND OF 1 TO 20 GHz. THE PACKAGE IS 1.08" X 0.71" X 0.26" AND HAS SMA (F/M) REMOVABLE CONNECTORS. CAN BE USED IN SURFACE MOUNT OR CONNECTORIZED APPLICATIONS.

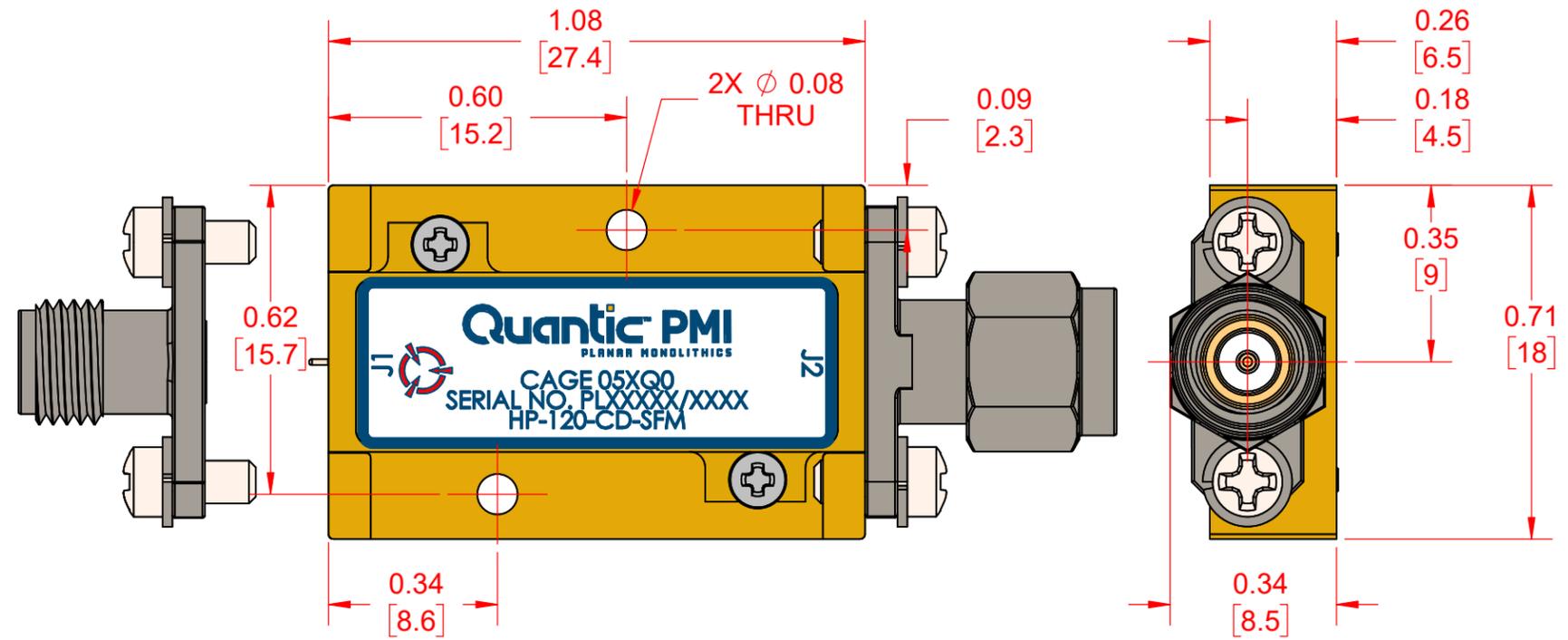
SPECIFICATIONS:

- FREQUENCY RANGE:..... 1 TO 20 GHz
- VSWR:..... 2.0:1 MAX
- INSERTION LOSS:..... 4 dB MAX (AT 1 GHz)
2 dB MAX (2 TO 18 GHz)
3 dB MAX (18 TO 20 GHz)
- REJECTION AT 0.5 GHz:..... 60 dB MIN
- OPERATING INPUT POWER:..... 1 WATT CW MAX
- CONNECTORS:..... SMA FEMALE INPUT (REMOVABLE)
SMA MALE OUTPUT (REMOVABLE)
- SIZE:..... 1.08" (L) X 0.71" (W) X 0.26" (H)
- WEIGHT:..... 1 OZ TYPICAL

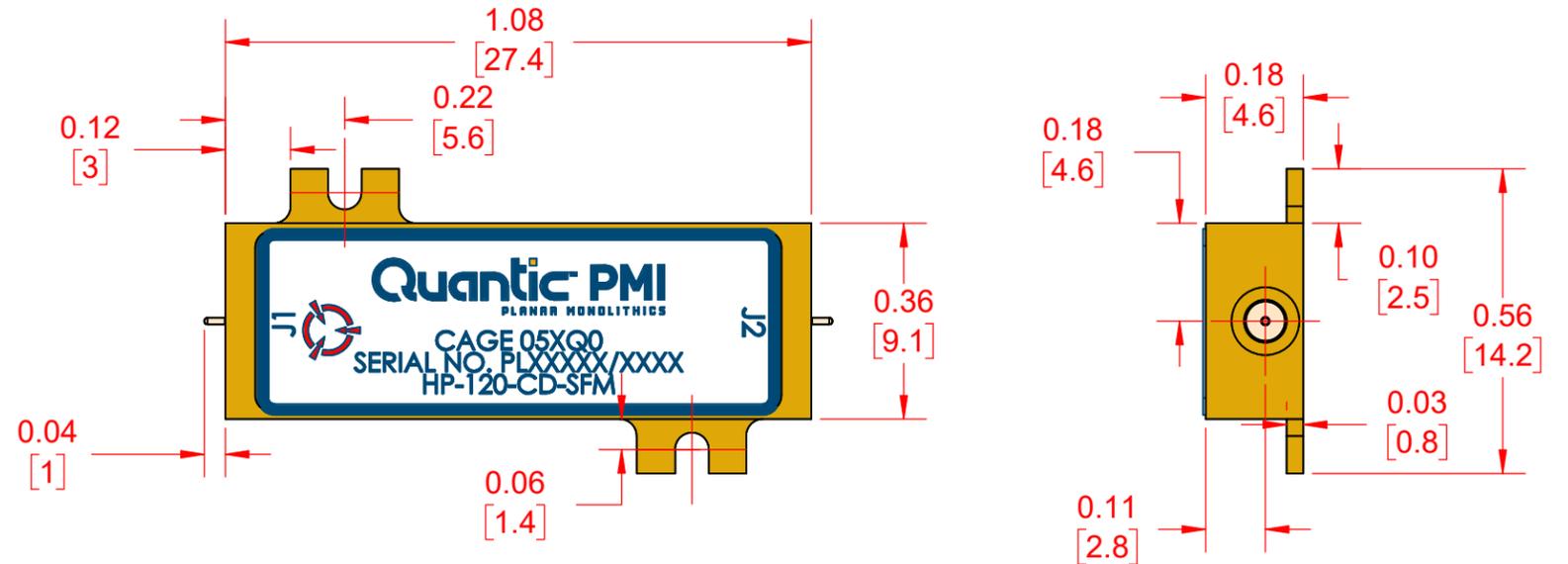
ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

HOUSING WITH CARRIER



HOUSING WITHOUT CARRIER (SURFACE MOUNT)



ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/18/2024	
	B1	ECN # 25-0224	8/4/2025	

PMI CONFIDENTIAL AND PROPRIETARY

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

APPROVALS DRAWN SNL REDRAWN ISSUED		DATE		TITLE OUTLINE HP-120-CD-SFM			
		12/18/2024					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01		SIZE	FSCM NO.	DWG NO.	REV.		
		B	05XQ0	27050400	B1		
		SCALE 3:1			SHEET 1 OF 1		

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
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