DESCRIPTION:

QUANTIC PMI MODEL HP-118-CD-SFF IS A BROADBAND HIGH PASS FILTER HAVING A PASSBAND OF 1 TO 18 GHz. CUT-OFF FREQUENCY IS 1 GHz WITH A MAXIMUM PASSBAND INSERTION LOSS OF 2 dB FROM 1 TO 18 GHz. THIS MODEL PROVIDES 60 dB MINIMUM REJECTION AT 0.5 GHz. THE PACKAGE IS 1.08" X 0.71" X 0.26" AND HAS FEMALE SMA REMOVABLE CONNECTORS.
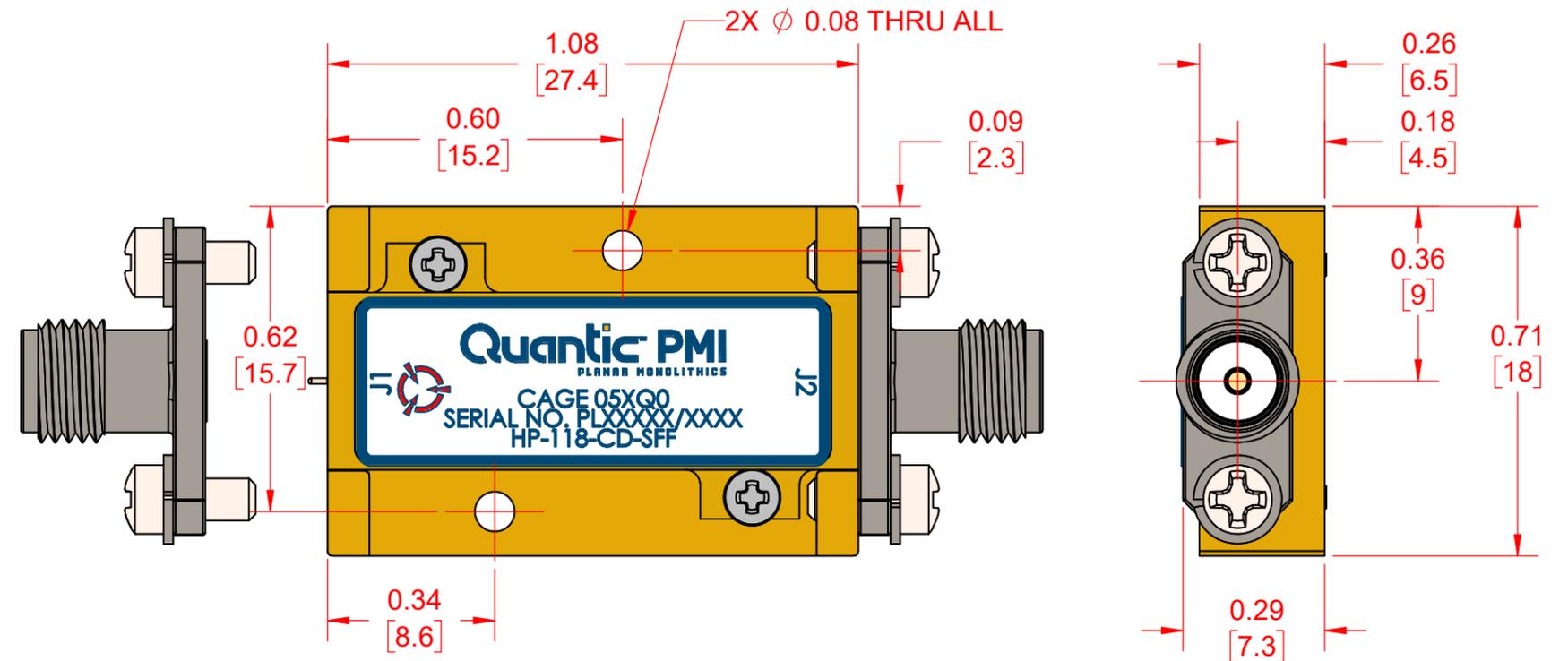
SPECIFICATIONS:

- FREQUENCY RANGE:................. 1 TO 18 GHz
- VSWR:.. 2.0:1 MAX
- INSERTION LOSS:...................... 4 dB MAX (AT 1 GHz)
                                                       2 dB MAX (2 TO 18 GHz)
- REJECTION AT 0.5 GHz:.............. 60 dB MIN
- OPERATING INPUT POWER:........ 1 WATT CW MAX
- CONNECTORS:.......................... SMA FEMALE (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

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

HOUSING WITH CARRIER

HOUSING WITHOUT CARRIER (SURFACE MOUNT)
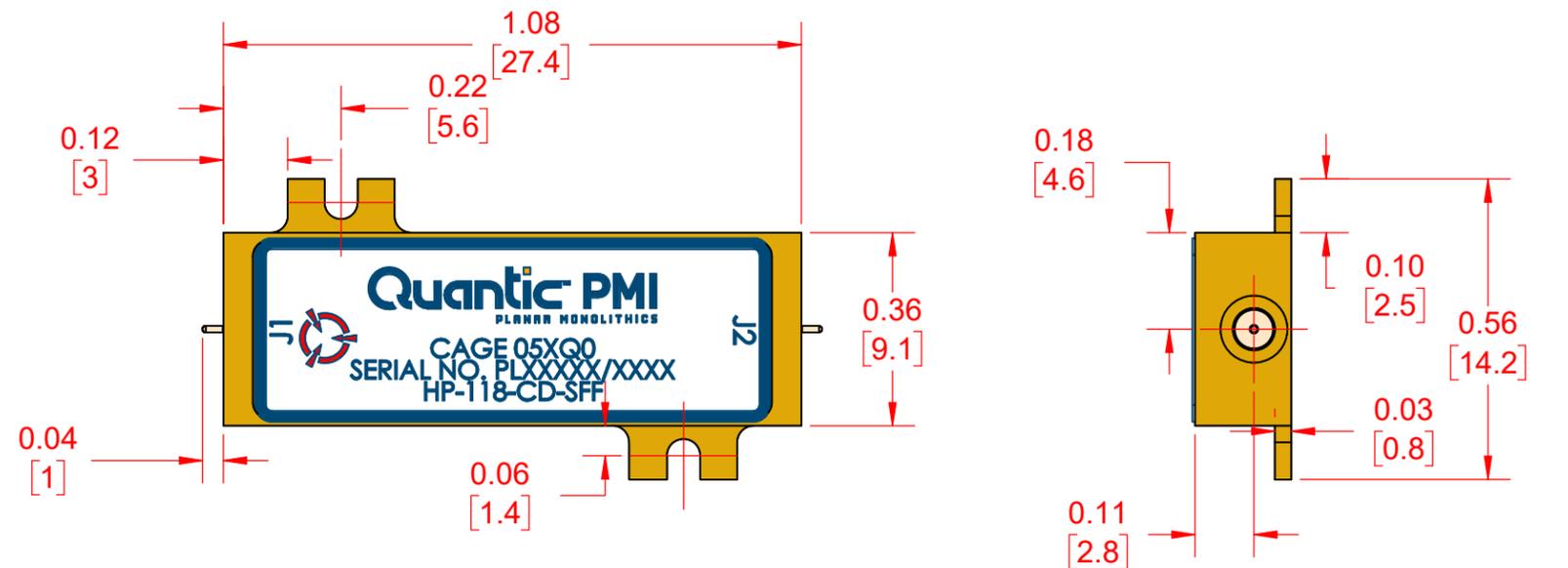
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/7/2025	
	B1	ECN # 25-0224	8/4/2025	

2X ⌀ 0.08 THRU ALL

	APPROVALS	DATE	TITLE		OUTLINE		
DRAWN	SNL	1/7/2025			HP-118-CD-SFF		
REDRAWN							
ISSUED			SIZE B	FSCM NO. 05XQ0	DWG NO. 27049500		REV. B1

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

SCALE 3:1   SHEET 1 OF 1