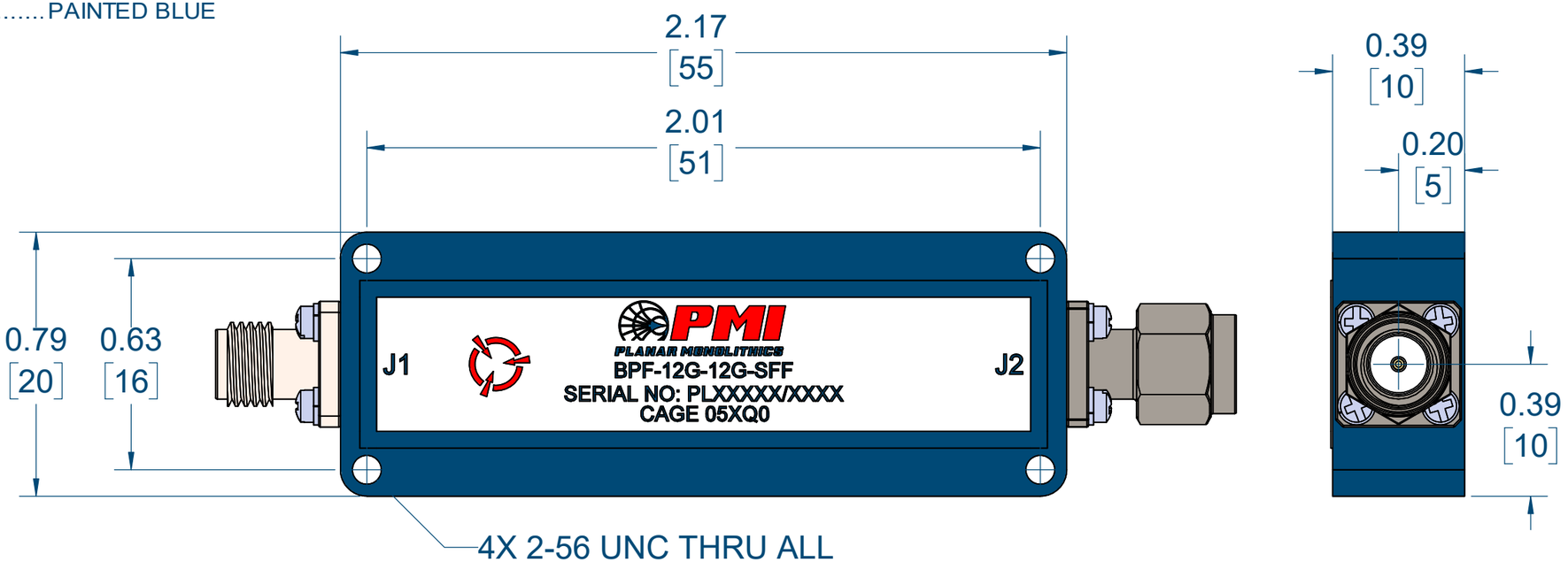
DESCRIPTION:

PMI MODEL NUMBER: BPF-12G-12G-SFF IS A BANDPASS FILTER WITH A CENTER FREQUENCY OF 12 GHz, A PASSBAND OF 6 GHz TO 18 GHz, A MAXIMUM INSERTION LOSS OF 2 dB, AND A MAXIMUM VSWR OF 1.8:1.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	5/27/2026	

SPECIFICATIONS:

- PASSBAND FREQUENCY:..... 6 GHz TO 18 GHz
- CENTER FREQUENCY:..... 12 GHz
- INSERTION LOSS:..... 2 dB MAX.
- VSWR:..... 1.8:1 MAX.
- REJECTION @ DC-5.6 GHz:..... 30 dBc MIN.
- REJECTION @ 19.5-20 GHz:..... 30 dBc MIN.
- INPUT POWER:..... 10 W CW MAX.
- CONNECTORS:..... J1: SMA FEMALE
  J2: SMA MALE
- FINISH:..... PAINTED BLUE



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +70°C (OPERATING)
  -55°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103 COND. B
- SHOCK:..... MIL-STD-202, METHOD 213 COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204 COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105 COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107 COND. A

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

PMI CONFIDENTIAL AND PROPRIETARY

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

APPROVALS	DATE
DRAWN T. GEARHEART	5/27/2026
REDRAWN	
ISSUED	

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
ISO 9001 CERTIFIED

TITLE			
OUTLINE BPF-12G-12G-SFF			
SIZE	FSCM NO.	DWG NO.	REV.
B	05XQ0	27055160	A1
SCALE 2.5:1		SHEET 1 OF 1	