

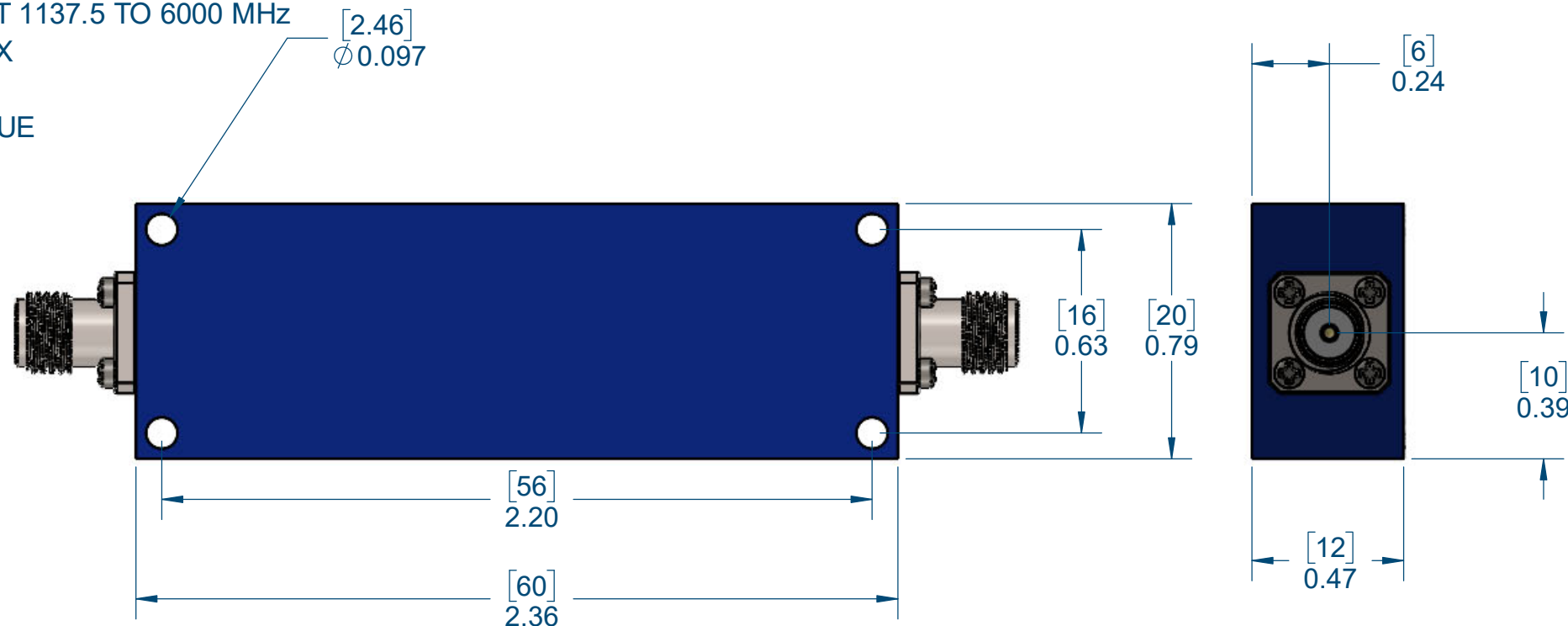
DESCRIPTION:

PMI MODEL: BPF-437D5M542D5M-SFF IS A BANDPASS FILTER WITH SMA FEMALE CONNECTORS IN/OUT.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/26/25	

SPECIFICATIONS:

- PASS BAND FREQUENCY:..... 437.5 MHz TO 542.5 MHz
- CENTER FREQUENCY:..... 490 MHz
- INSERTION LOSS:..... 3 dB MAX
- PASSBAND RIPPLE:..... 0.5 dB MAX
- VSWR:..... 1.6:1 MAX
- REJECTION:..... 25 dB MIN AT DC TO 355 MHz
25 dB MIN AT 595 TO 800 MHz
80 dB MIN AT 1137.5 TO 6000 MHz
- INPUT POWER:..... 5 W CW MAX
- CONNECTORS:..... SMA (F)
- FINISH:..... PAINTED BLUE



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +70°C (OPERATING)
- 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

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		APPROVALS DATE DRAWN AG 11/26/25 REDRAWN ISSUED		TITLE BPF-437D5M542D5M-SFF	
		SIZE B FSCM NO. 05XQ0 DWG NO. PRELIMINARY	REV. -	SCALE 1:1	

Quantic PMI
PLANAR MONOLITHICS

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