

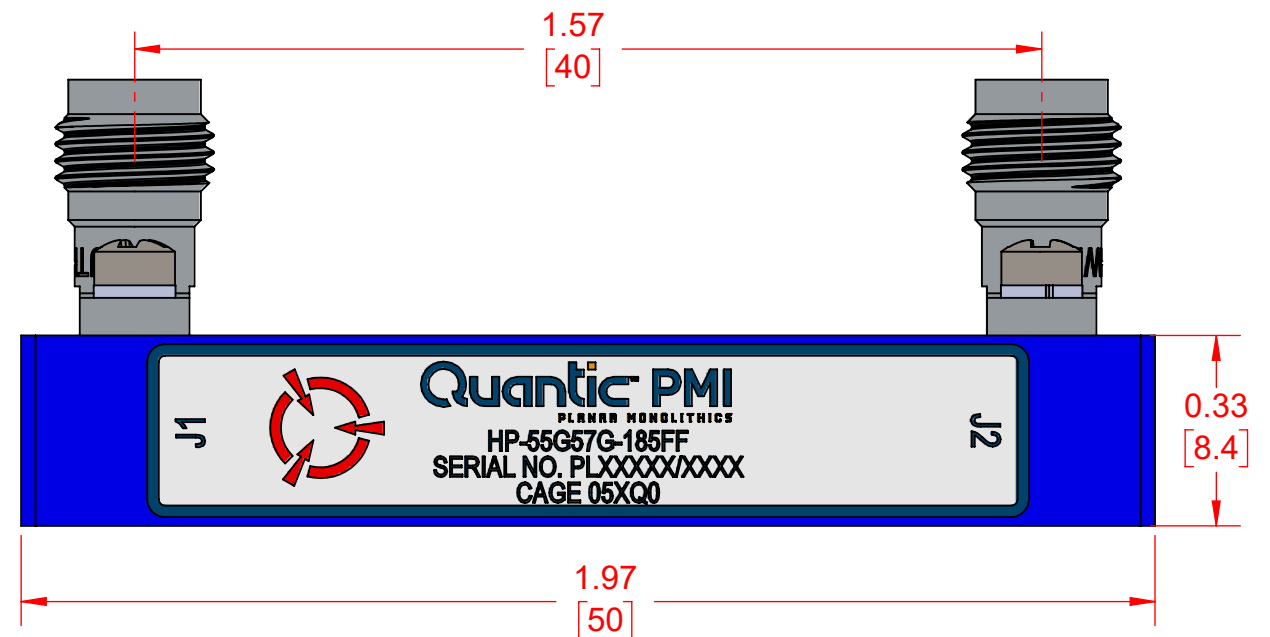
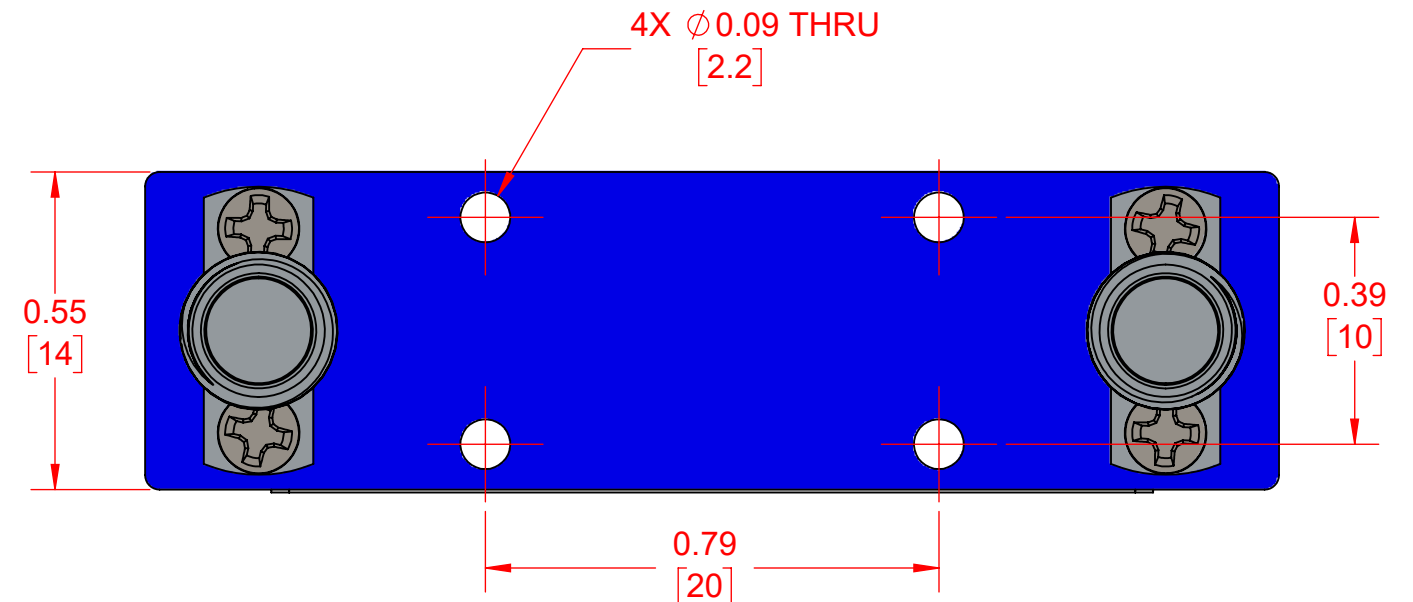
DESCRIPTION:

QUANTIC PMI MODEL HP-55G57G-185FF IS A HIGH PASS FILTER HAVING A PASSBAND OF 55 TO 57 GHz. THE 3 dB CUT-OFF FREQUENCY IS 50 GHz WITH A MAXIMUM PASSBAND INSERTION LOSS OF 2 dB. THIS MODEL PROVIDES 50 dB MINIMUM REJECTION FROM 34 TO 45 GHz.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	3/18/2025	

SPECIFICATIONS:

- PASSBAND FREQUENCY RANGE:..... 55 GHz TO 57 GHz
- CUT-OFF FREQUENCY (3 dB):..... 50 GHz MIN
- PASSBAND INSERTION LOSS:..... 2 dB MAX
- VSWR (OVER 90% OF PASSBAND):..... 1.5:1 MAX
- REJECTION:..... 50 dB MIN @ 34 GHz TO 45 GHz
- INPUT POWER:..... 2 WATTS CW MAX
- CONNECTORS (IN/OUT):..... 1.85mm - FEMALE
- FINISH:..... PAINTED BLUE



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
..... -55°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

PMI CONFIDENTIAL AND PROPRIETARY

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		APPROVALS		DATE	Quantic PMI PLANNED 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	
		DRAWN S LANGE		3/18/2025		
ISSUED		TITLE		OUTLINE HP-55G57G-185FF		
SCALE 3:1		SIZE	FSCM NO.	DWG NO.	REV.	
		B	05XQ0	27051040	A1	
					SHEET 1 OF 1	