

DESCRIPTION:

MODEL HPF130-140-NFF-50W IS A HIGH POWER, HIGH PASS FILTER HAVING A CUT-OFF FREQUENCY OF 130 MHz AND AN UPPER PASSBAND OF 550 MHz. THIS FILTER OFFERS LOW INSERTION LOSS OF 1 dB MAXIMUM AND OVER 80 dB OF REJECTION AT 90 MHz. THE FILTER IS DESIGNED FOR 50 OHMS IMPEDANCE AND CAN HANDLE INPUT POWER LEVELS UP TO 50 WATTS CW.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/26/2023	

- SPECIFICATIONS:
- PASSBAND:

• CUT-OFF FREQUENCY (-1 dB):

• INSERTION LOSS:

• VSWR:

• REJECTION @ 90 MHz:

• OPERATING INPUT POWER:

• IMPEDANCE:

• SIZE:

• CONNECTORS:

• FINISH:

130 TO 550 MHz

130 MHz MAX

1.0 dB MAX

2.0:1 TYP

-80 dBc MIN

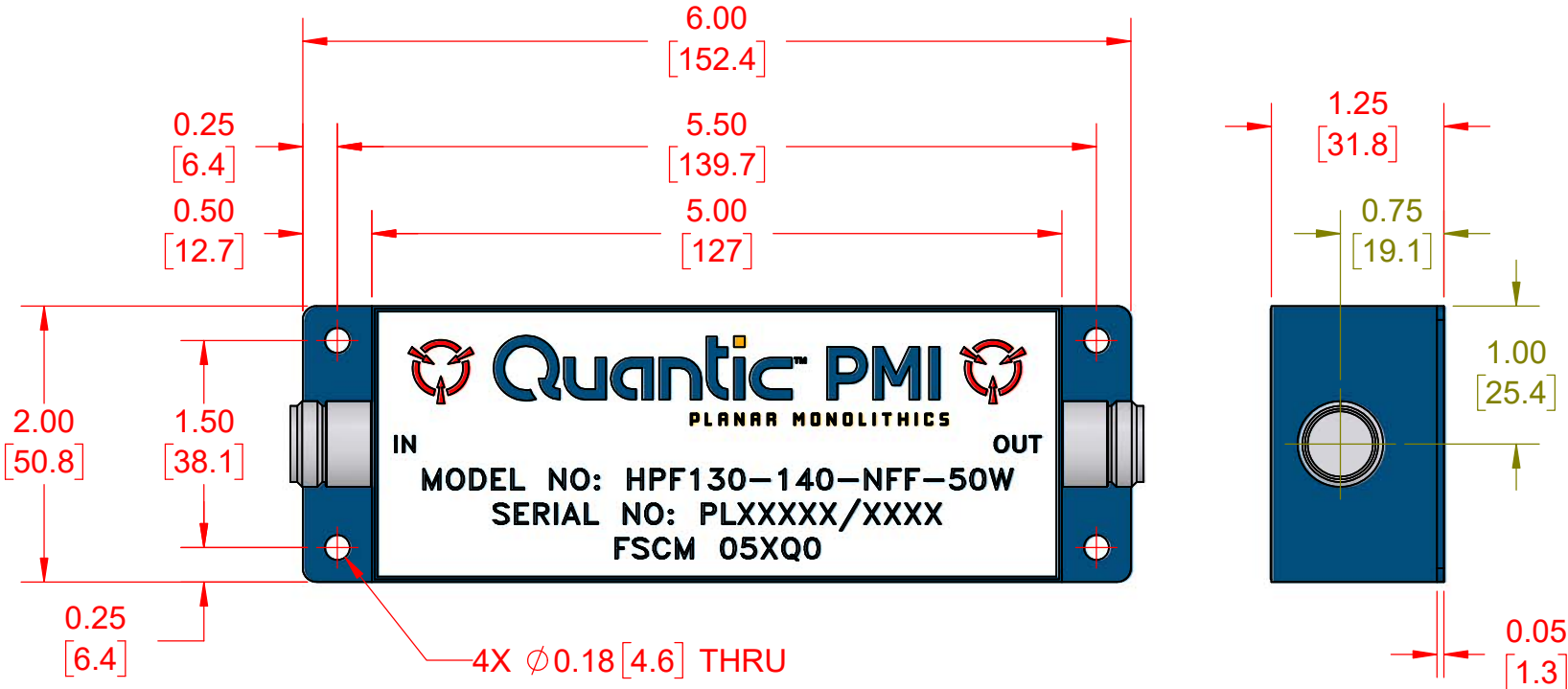
50 WATTS CW MAX

50 Ω

6.0" X 2.0" X 1.5"

N FEMALE

PAINTED BLUE



- ENVIRONMENTAL RATINGS:
- TEMPERATURE:

• SHOCK:

• VIBRATION:

• ALTITUDE:

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

-40°C TO +85°C (STORAGE)

MIL-STD-202F, METHOD 213B COND. B

MIL-STD-202F, METHOD 204D COND. B

MIL-STD-202F, METHOD 105C COND. B

MIL-STD-202F, METHOD 107D COND. A

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

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS

DATE

DRAWN

J ESCANO

REDAWN

ISSUED

1/26/2023

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:

FRACTIONS

DECIMALS

ANGLES

±

.XX ± 0.02

±

.XXX ± 0.01

Quantic PMI

PLANAR MONOLITHICS

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ISO 9001 CERTIFIED

TITLE

OUTLINE

HPF130-140-NFF-50W

SIZE

FSCM NO.

DWG NO.

REV.

B

05XQ0

27016120

A1

SCALE 3:4

SHEET 1 OF 1