

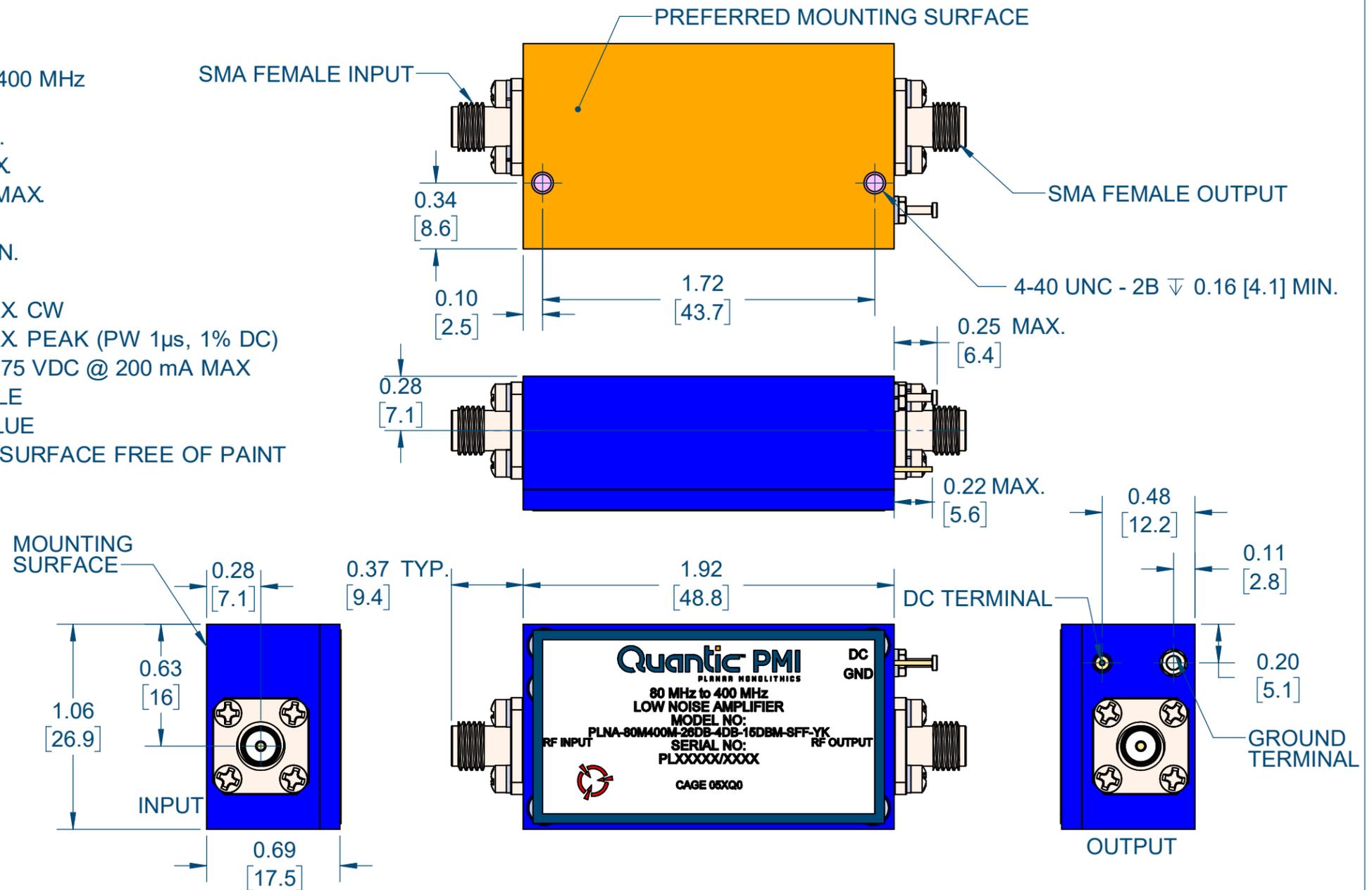
DESCRIPTION:

PMI MODEL NUMBER: PLNA-80M400M-26DB-4DB-15DBM-SFF-YK IS A 80 TO 400 MHz LOW NOISE AMPLIFIER. THIS AMPLIFIER IS HERMETICALLY SEALED AND SUPPLIED WITH SMA FEMALE INPUT AND OUTPUT CONNECTORS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/5/2024	
	B1	ECN # 25-0223	8/1/2025	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 80 MHz TO 400 MHz
- NOISE FIGURE:..... 4.0 dB MAX.
- SMALL SIGNAL GAIN:..... 24.0 dB MIN.
28.0 dB MAX.
- GAIN VARIATION VS. TEMPERATURE:..... 2.0 dB P-P MAX.
(@ ANY ONE FREQUENCY POINT)
- P1dB:..... +15 dBm MIN.
- INPUT AND OUTPUT VSWR (50Ω):..... 2.0:1 MAX.
- RF SAFE INPUT POWER:..... 200 mW MAX CW
500 mW MAX PEAK (PW 1μs, 1% DC)
- DC POWER SUPPLY:..... +10 TO +15.75 VDC @ 200 mA MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... PAINTED BLUE
MOUNTING SURFACE FREE OF PAINT
- SEALING:..... HERMETIC
- WEIGHT:..... 80 g MAX.



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -20°C TO +85°C (OPERATING)
-20°C TO +85°C (STORAGE)
- ALTITUDE:..... 0 TO 4,572 m (15,000 ft)
- VIBRATION:..... MIL-E-5400T 3.2.24.5 FIG.2 CURVE III
- SHOCK:..... MIL-E-5400T 3.2.24.6.1
147.105 m/s² (15G), 11 ± 1 msec
(6 DIRECTIONS)
- HUMIDITY:..... MIL-E-5400T 3.2.24.4
100% RH
HERMETIC SEAL

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 D. HOSCHAR 12/5/2024 REDRAWN ISSUED		TITLE PLNA-80M400M-26DB-4DB-15DBM-SFF-YK SIZE B FSCM NO. 05XQ0 DWG NO. 27050060 SCALE 1.5:1		REV. B1
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			Quantic PMI PLANAR MONOLITHICS 80 MHz to 400 MHz LOW NOISE AMPLIFIER MODEL NO: PLNA-80M400M-26DB-4DB-15DBM-SFF-YK SERIAL NO: PLXXXXX/XXXX CAGE 05XQ0			