

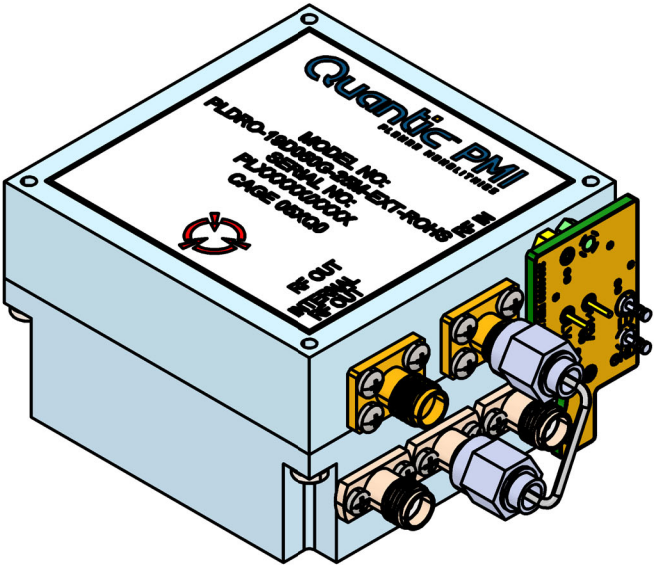
DESCRIPTION:

PMI MODEL PLDRO-19D050G-25M-EXT-ROHS IS A PLDRO WITH AN OUTPUT FREQUENCY OF 19.050 GHz. THIS MODEL IS OUTFITTED WITH SMA CONNECTORS. (RoHS/REACH COMPLIANT)

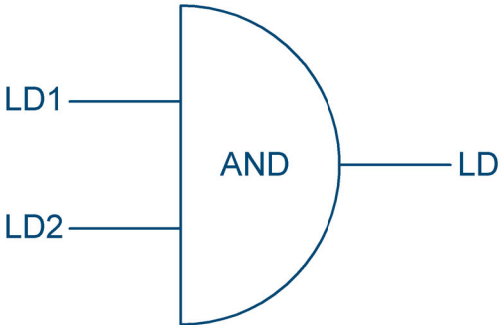
SPECIFICATIONS:

- OUTPUT FREQUENCY:..... 19.050 GHz
- REFERENCE FREQUENCY:..... 25 MHz (EXTERNAL)
- OUTPUT POWER INTO 50 OHMS OVER:..... +13 TO +15 dBm
THE OPERATIONAL TEMPERATURE
- NO LOCK BREAK PULLING VSWR:..... 3.0:1 MAX
- OUTPUT DISCRETE SPURIOUS:..... -76 dBc MAX
@ ± (10 MHz TO 2 GHz) AWAY FROM CARRIER
- OUTPUT HARMONICS:..... -20 dBc MAX
- OUTPUT SSB PHASE NOISE:..... -42 dBc/Hz MAX @ 10 Hz OFFSET
PHASE NOISE BETWEEN TWO SPECIFIED POINTS
SHALL BE LOWER THAN THE STRAIGHT LINE
DRAWN BETWEEN THE TWO POINTS ON A dB vs LOG
FREQUENCY PLOT. -67 dBc/Hz MAX @ 100 Hz OFFSET
-98 dBc/Hz MAX @ 1 kHz OFFSET
-106 dBc/Hz MAX @ 10 kHz OFFSET
-109 dBc/Hz MAX @ 100 kHz OFFSET
-126 dBc/Hz MAX @ ≥1 MHz OFFSET
- REFERENCE INPUT POWER:..... +10 ±3 dBm
- REFERENCE INPUT SPURIOUS @ > 1MHz :..... -80 dBc MAX
AWAY FROM THE CARRIER
- EXTERNAL REFERENCE SSB PHASE :..... -110 dBc/Hz MAX @ 10 Hz OFFSET
NOISE @ 25 MHz -137 dBc/Hz MAX @ 100 Hz OFFSET
-156 dBc/Hz MAX @ 1 kHz OFFSET
-165 dBc/Hz MAX @ 10 kHz OFFSET
-168 dBc/Hz MAX @ 100 kHz OFFSET
- DC POWER SUPPLY INPUT :..... +12 ± 0.5 VDC, 500 mA MAX (@ +25°C)
- LOCK INDICATOR OUTPUT :..... TTL HIGH FOR IN-LOCK
TTL LOW FOR OUT-OF-LOCK
- PHASE VOLTAGE MONITOR OUTPUT :..... 0 TO +12 VDC
- OPERATIONAL TEMPERATURE AT :..... -40°C TO +75°C
MOUNTING PLATE
- COLD START TEMPERATURE :..... -45°C MAX
- RF CONNECTORS :..... SMA FEMALE
- PINS :..... SOLDERABLE
- FINISH :..... NICKEL PLATED

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	11/28/2023	



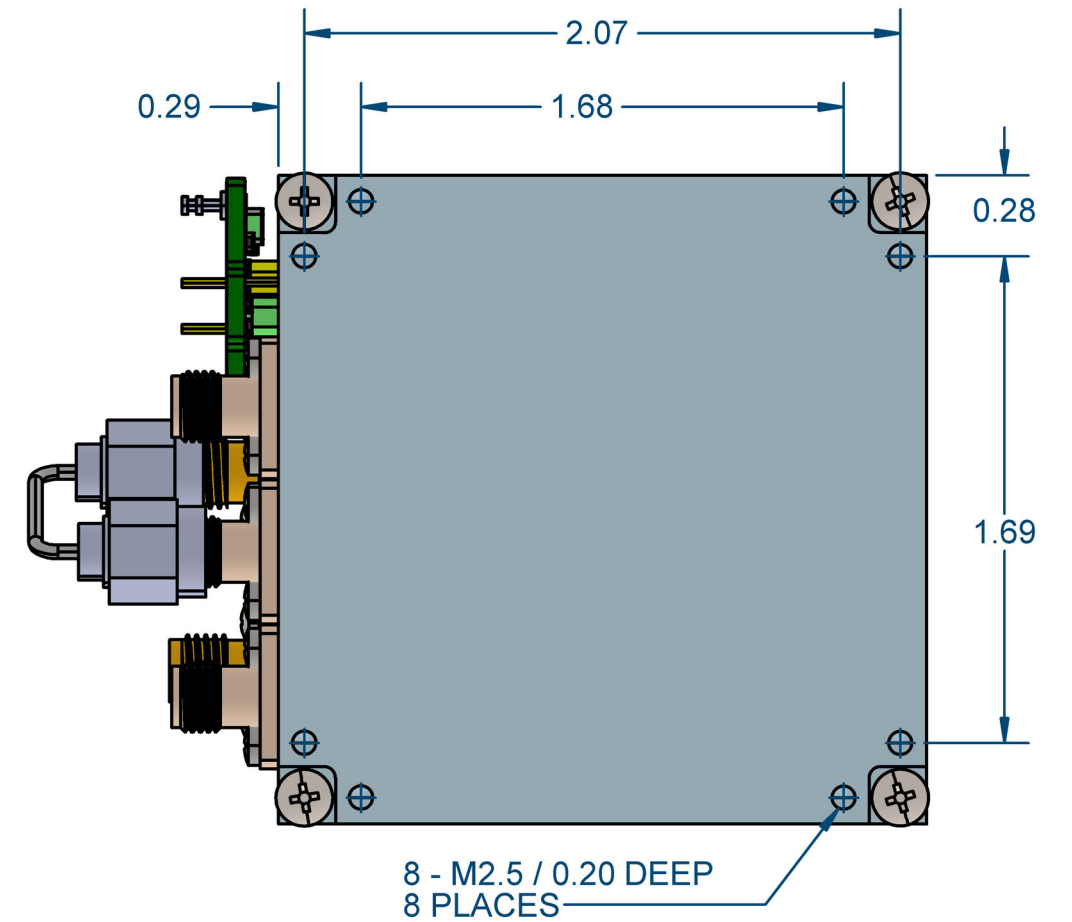
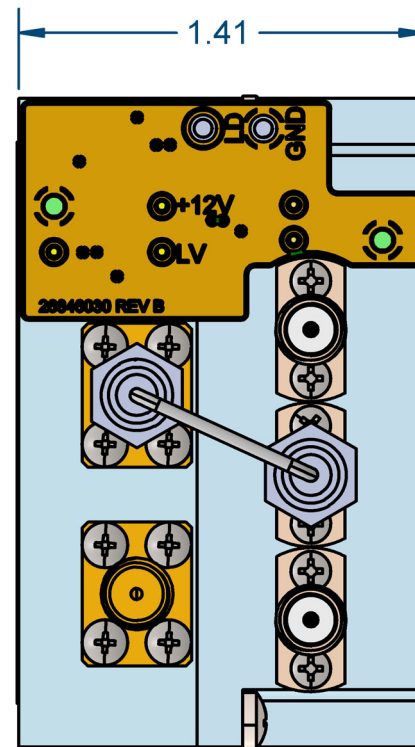
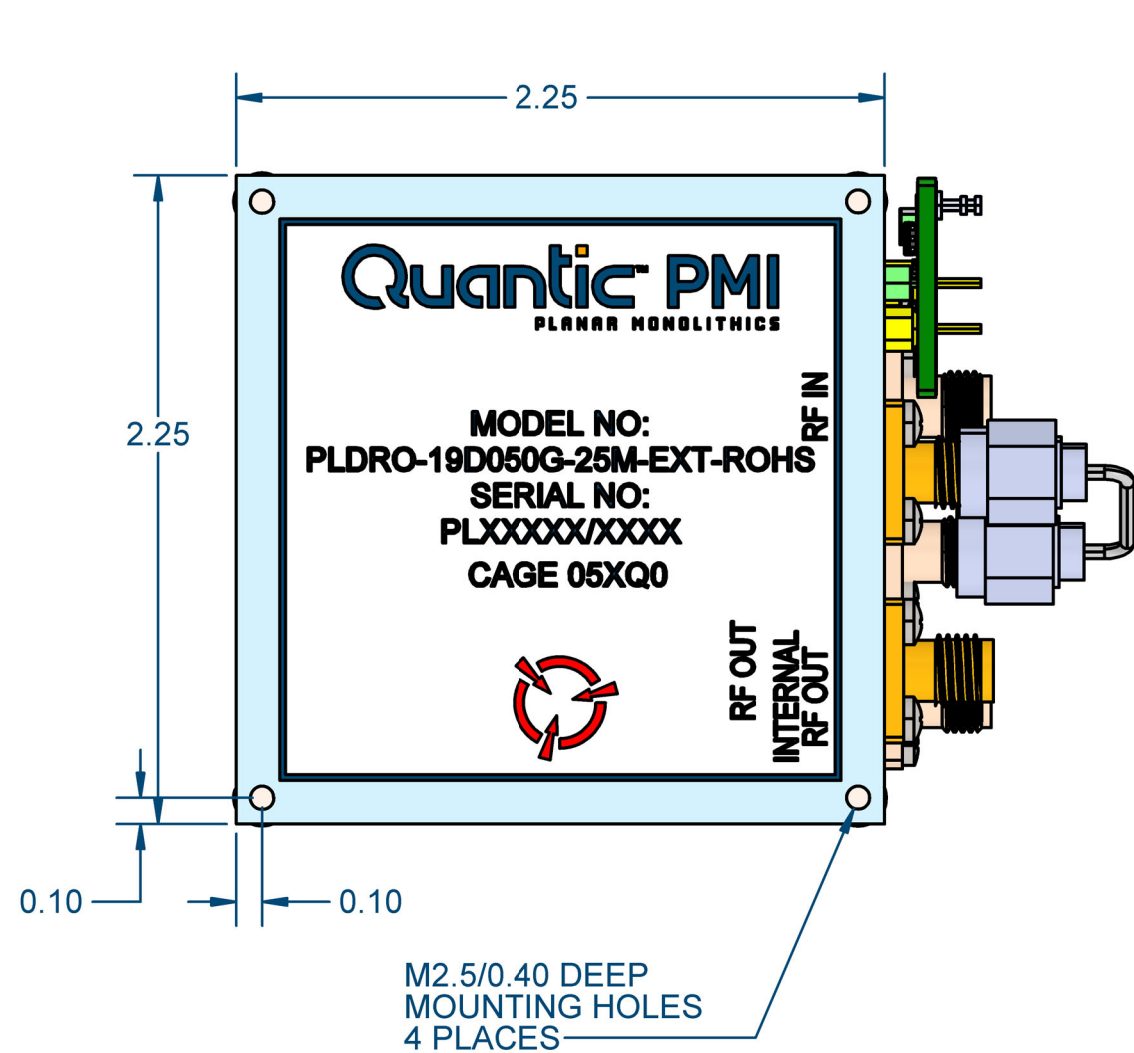
INPUT		OUTPUT
LD1	LD2	LD
TTL LOW	TTL LOW	TTL LOW
TTL LOW	TTL HIGH	TTL LOW
TTL HIGH	TTL LOW	TTL LOW
TTL HIGH	TTL HIGH	TTL HIGH



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	Quantic PMI PLANAR NONLINEAR 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		11/28/2023	TITLE			
		R. SIRK			OUTLINE			
		REDRAWN			PLDRO-19D050G-25M-EXT-ROHS			
		ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
					B	05XQ0	27047740	A1
					SCALE 1:1		SHEET 1 OF 2	



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		DRAWN R. SARK		11/28/2023		TITLE OUTLINE			
		REDRAWN				PLDRO-19D050G-25M-EXT-ROHS			
		ISSUED				SIZE B	FSCM NO. 05XQ0	DWG NO. 27047740	REV. A1
						SCALE 1:1		SHEET 2 OF 2	