

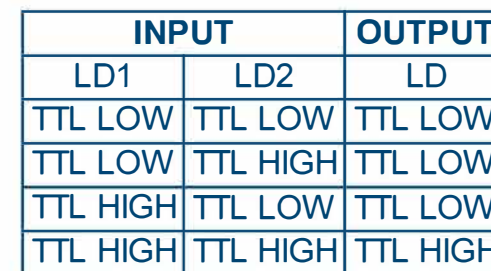
PMI MODEL PLDRO-13D275G-25M-EXT-ROHS IS A PLDRO WITH AN OUTPUT FREQUENCY OF 13.275 GHZ. THIS MODEL IS OUTFITTED WITH SMA CONNECTORS (RoHS/REACH COMPLIANT).

SPECIFICATIONS:

- OUTPUT FREQUENCY:..... 13.275 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 MIN
 - OUTPUT DISCRETE SPURIOUS:..... -76 dBc MAX
@ +/- (10 MHz to 2 GHz) AWAY FROM THE CARRIER
 - OUTPUT HARMONICS:..... -20 dBc MAX
- PHASE NOISE BETWEEN TWO SPECIFIED
FREQUENCY POINTS SHALL BE LOWER THAN THE
STRAIGHT LINE DRAWN BWTWEEN THE TWO
POINTS ON A dB VS. LOG FREQUENCY PLOT.
- OUTPUT SSB PHASE NOISE:..... -47 dBc/Hz @ 10 Hz OFFSET
-76 dBc/Hz @ 100 Hz OFFSET
-100 dBc/Hz @ 1 kHz OFFSET
-108 dBc/Hz @ 10 kHz OFFSET
-113 dBc/Hz @ 100 kHz OFFSET
-130 dBc/Hz @ 1 MHz OFFSET
-141 dBc/Hz @ >= 10 MHz OFFSET

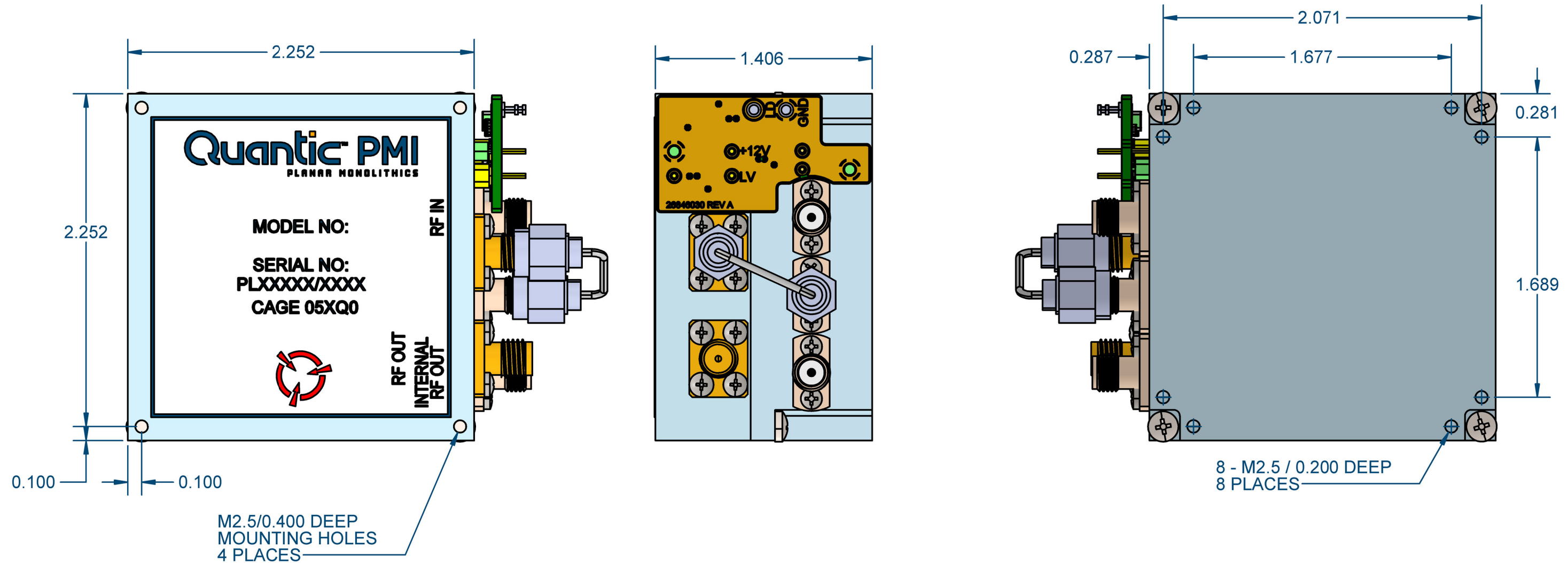
- REFERENCE INPUT POWER:..... 10 +/- 3 dBm
- REFERENCE INPUT SPURIOUS @ > 1MHz:..... -80 dBc MAX
AWAY FROM THE CARRIER
- EXTERNAL REFERENCE SSB PHASE :..... -110 dBc/Hz @ 10 Hz OFFSET
NOISE @ 25 MHz
-137 dBc/Hz @ 100 Hz OFFSET
-156 dBc/Hz @ 1 kHz OFFSET
-165 dBc/Hz @ 10 kHz OFFSET
-168 dBc/Hz @ 100 kHz OFFSET

- DC POWER SUPPLY INPUT :..... +12 +/- 0.5 VDC, 500 mA MAX
- 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(SS)
- PINS :..... SOLDERABLE
- FINISH :..... NICKEL PLATED



			Quantic[®] PMI PLANS MANAGEMENT 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			
	APPROVALS	DATE	TITLE OUTLINE			
	DRAWN R. SIRK	6/9/2023				
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01	REDRAWN				
	ISSUED		SIZE	FSCM NO. 05XQ0	DWG NO.	REV. —
			SCALE 1:1			SHEET 1 OF 2

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



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PMI CONFIDENTIAL AND PROPRIETARY

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		B		05XQ0				B1	
		SCALE 1:1						SHEET 2 OF 2	