

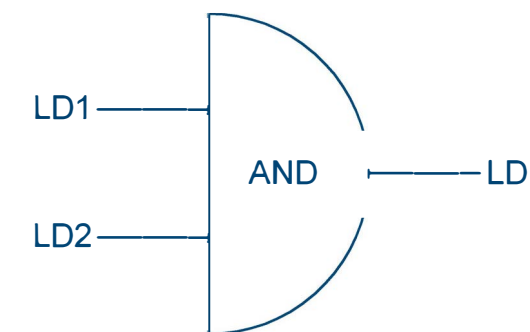
PMI MODEL PLDRO-14D425G-25M-EXT-ROHS IS A PLDRO WITH AN OUTPUT FREQUENCY OF 14.425 GHz. THIS MODEL IS OUTFITTED WITH SMA CONNECTORS (RoHS/REACH COMPLIANT).

SPECIFICATIONS:

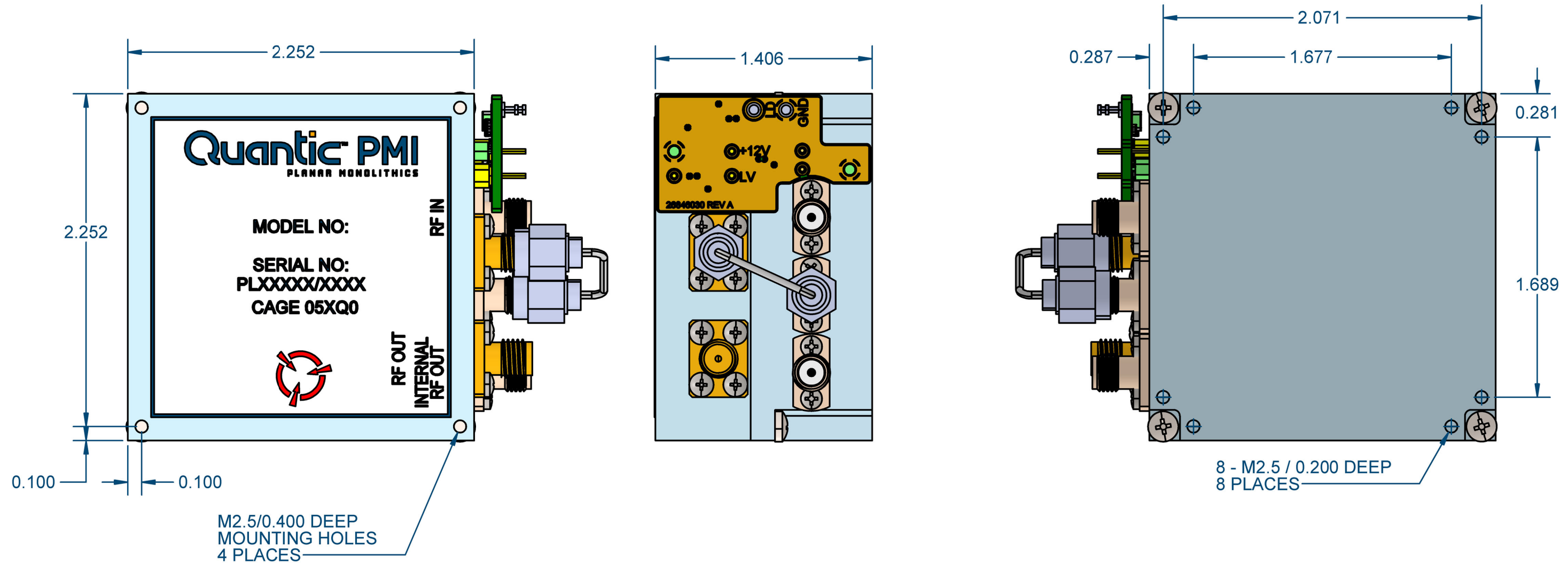
- OUTPUT FREQUENCY:..... 14.425 GHz
- REFERENCE FREQUENCY:..... 25 MHz (EXTERNAL)
- OUTPUT POWER INTO 50 OHMS OVER:..... +13 TO +15 dBm
THE OPERATIONAL TEMPERATURE
- NO LOCK BREAK PULLING VSWR:..... 3.0:1 MIN
- OUTPUT DISCRETE SPURIOUS:..... -76 dBc MAX
@ +/- (10 MHz to 2 GHz) AWAY FROM THE CARRIER
- OUTPUT HARMONICS:..... -20 dBc MAX
- OUTPUT SSB PHASE NOISE:..... -47 dBc/Hz @ 10 Hz OFFSET
-76 dBc/Hz @ 100 Hz OFFSET
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.
-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



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

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			APPROVALS		DATE		TITLE OUTLINE										
			DRAWN R. SIRK		6/9/2023												
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: <table><tr><td>FRACTIONS</td><td>DECIMALS</td><td>ANGLES</td></tr><tr><td>±</td><td>.XX ± 0.02</td><td>±</td></tr><tr><td></td><td>.XXX ± 0.01</td><td></td></tr></table>			FRACTIONS	DECIMALS	ANGLES	±	.XX ± 0.02	±		.XXX ± 0.01		REDRAWN					
			FRACTIONS	DECIMALS	ANGLES												
			±	.XX ± 0.02	±												
				.XXX ± 0.01													
ISSUED				SIZE		FSCM NO.		DWG NO.		REV.							
				B		05XQ0				B1							
				SCALE 1:1						SHEET 2 OF 2							