

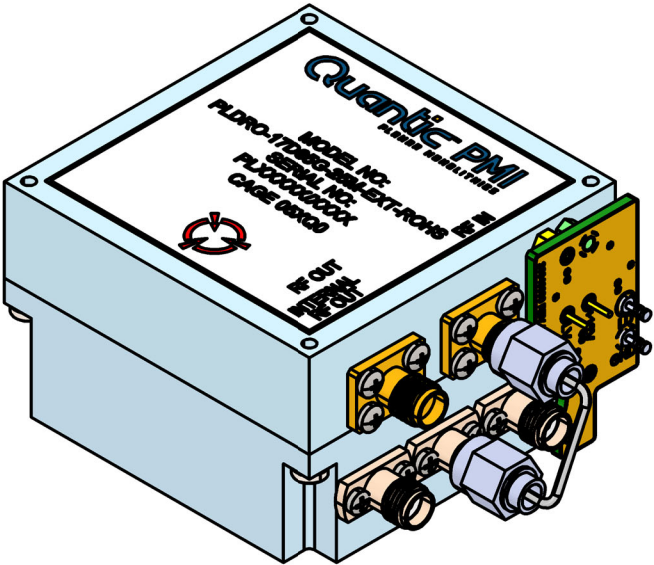
DESCRIPTION:

PMI MODEL PLDRO-17D85G-25M-EXT-ROHS IS A PLDRO WITH AN OUTPUT FREQUENCY OF 17.850 GHz. THIS MODEL IS OUTFITTED WOTH SMA CONNECTORS.

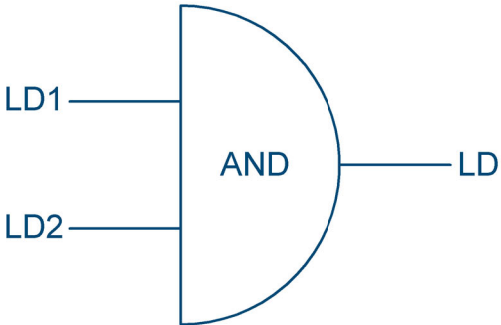
SPECIFICATIONS:

- OUTPUT FREQUENCY:..... 17.850 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:..... -80 dBc MAX
- (10 MHz TO 2 GHz)
- OUTPUT HARMONICS:..... -15 dBc MAX
- SUB-HARMONICS:..... -60 dBc MAX (0.5 Fo, 1.5 Fo, 2.5 Fo, ect.)
- OUTPUT SSB PHASE NOISE:..... -45 dBc/Hz @ 10 Hz OFFSET
- -75 dBc/Hz @ 100 Hz OFFSET
- -85 dBc/Hz @ 1 kHz OFFSET
- -95 dBc/Hz @ 10 kHz OFFSET
- -103 dBc/Hz @ 100 kHz OFFSET
- -115 dBc/Hz @ 1 MHz OFFSET
- -130 dBc/Hz @ 10 MHz OFFSET
- REFERENCE INPUT POWER:..... +3 TO +13 dBm
- REFERENCE INPUT SPURIOUS @ > 1MHz :..... -80 dBc MAX
- AWAY FROM THE CARRIER
- EXTERNAL REFERENCE SSB PHASE :..... -111 dBc/Hz @ 10 Hz OFFSET
- NOISE @ 25 MHz..... -141 dBc/Hz @ 100 Hz OFFSET
- -158 dBc/Hz @ 1 kHz OFFSET
- -168 dBc/Hz @ 10 kHz OFFSET
- -174 dBc/Hz @ 100 kHz OFFSET
- Wenzel P/NL 500-13837 or equivalent
- 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 MALE
- PINS :..... SOLDERABLE
- FINISH :..... NICKEL PLATED

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	2/28/2023	
	A2	ECN # 23-0072	5/22/2023	
	B1	ECN # 23-0109	6/9/2023	



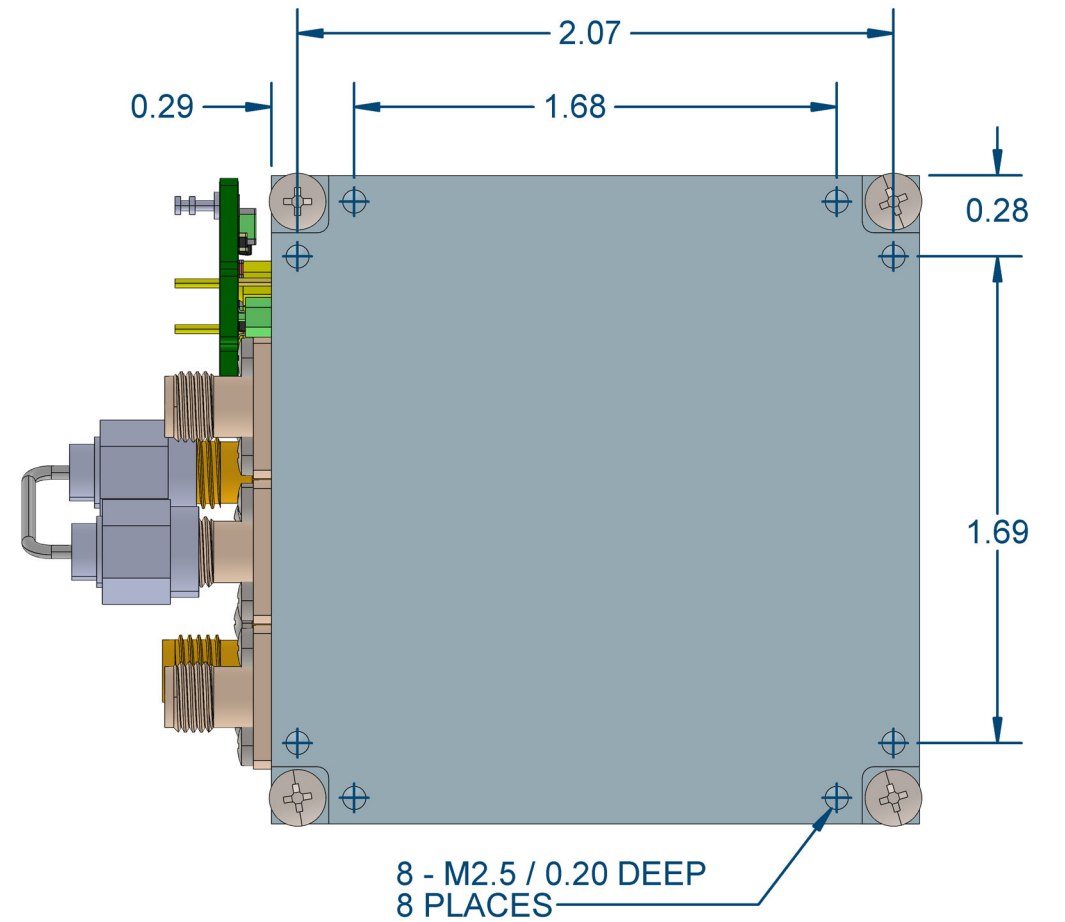
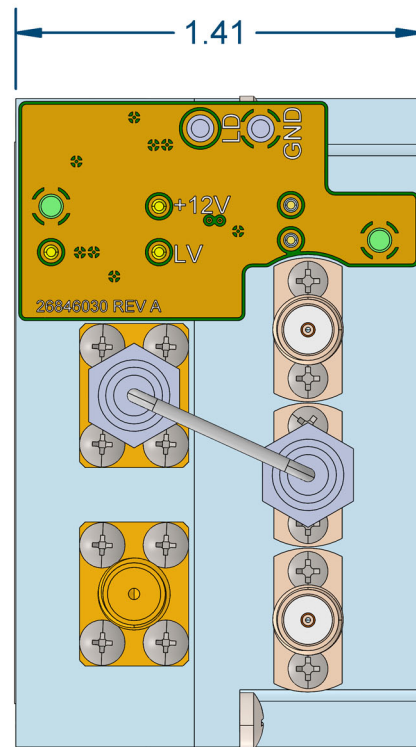
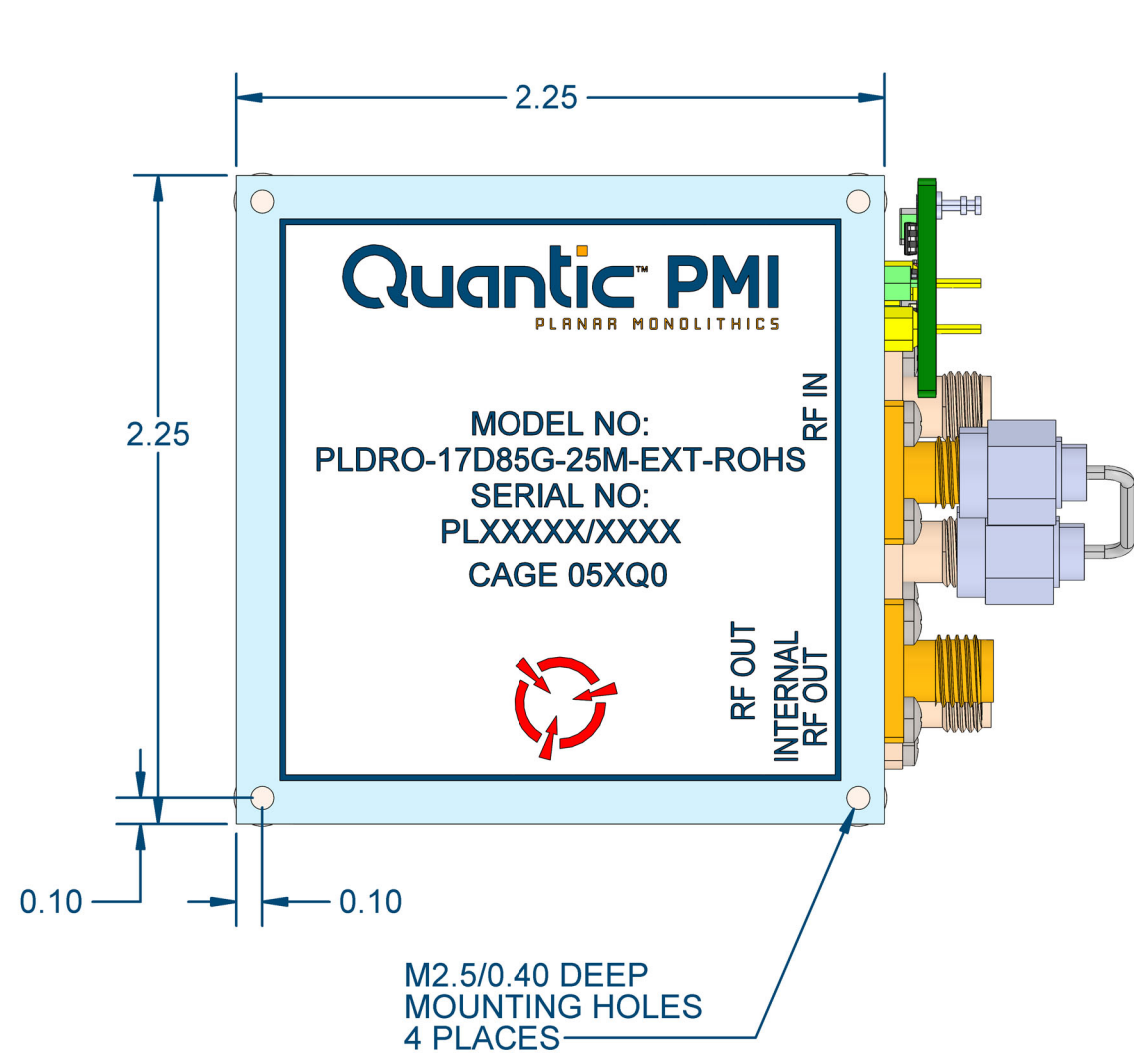
INPUT		OUTPUT
LD1	LD2	LD
TTL LOW	TTL LOW	TTL LOW
TTL LOW	TTL HIGH	TTL LOW
TTL HIGH	TTL LOW	TTL LOW
TTL HIGH	TTL HIGH	TTL HIGH



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 ±			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					
	APPROVALS		DATE		TITLE OUTLINE			
	DRAWN R. SIRK		6/9/2023					
	REDRAWN							
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.	
				B	05XQ0	27046000	B1	
				SCALE 1:1			SHEET 1 OF 2	



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 MONOLITHICS 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		R. SARK		6/9/2023		TITLE	
		REDRAWN						OUTLINE	
		ISSUED							
		SIZE		FSCM NO.		DWG NO.		REV.	
		B		05XQ0		27046000		B1	
		SCALE 1:1						SHEET 2 OF 2	