

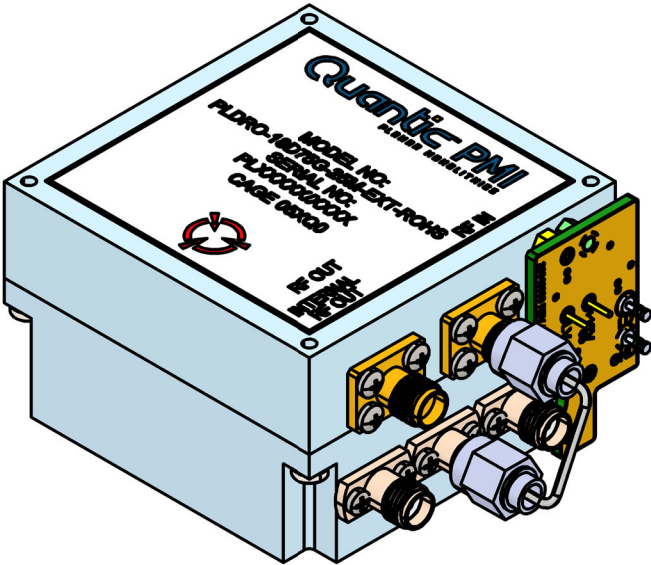
DESCRIPTION:

PMI MODEL PLDRO-18D75G-25M-EXT-ROHS IS A PLDRO WITH AN OUTPUT FREQUENCY OF 18.750 GHz. THIS MODEL IS OUTFITTED WOTH SMA CONNECTORS.

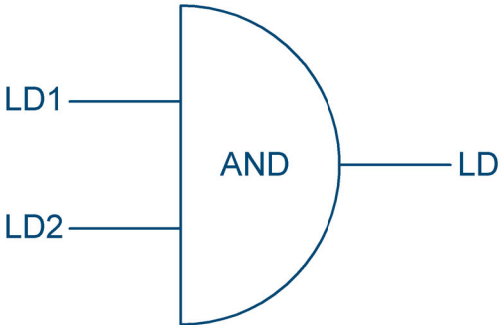
SPECIFICATIONS:

- OUTPUT FREQUENCY:..... 18.750 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:..... -75 dBc MAX
- (10 MHz TO 50 GHz)
- OUTPUT HARMONICS:..... -25 dBc MAX
- SUB-HARMONICS:..... -60 dBc MAX (0.5 Fo, 1.5 Fo, 2.5 Fo, ect.)
- OUTPUT SSB PHASE NOISE:..... -50 dBc/Hz @ 10 Hz OFFSET
- -75 dBc/Hz @ 100 Hz OFFSET
- -87 dBc/Hz @ 1 kHz OFFSET
- -95 dBc/Hz @ 10 kHz OFFSET
- -105 dBc/Hz @ 100 kHz OFFSET
- -125 dBc/Hz @ 1 MHz OFFSET
- -128 dBc/Hz @ 10 MHz OFFSET
- -143 dBc/Hz @ 100 MHz OFFSET
- REFERENCE INPUT POWER:..... +3 TO +10 dBm
- REFERENCE INPUT SPURIOUS @ > 1MHz :..... -80 dBc MAX
- AWAY FROM THE CARRIER
- EXTERNAL REFERENCE SSB PHASE :..... -118 dBc/Hz @ 10 Hz OFFSET
- NOISE @ 25 MHz
- -137 dBc/Hz @ 100 Hz OFFSET
- -150 dBc/Hz @ 1 kHz OFFSET
- -165 dBc/Hz @ 10 kHz OFFSET
- -165 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	
	B1	ECN # 23-0109	6/9/2023	



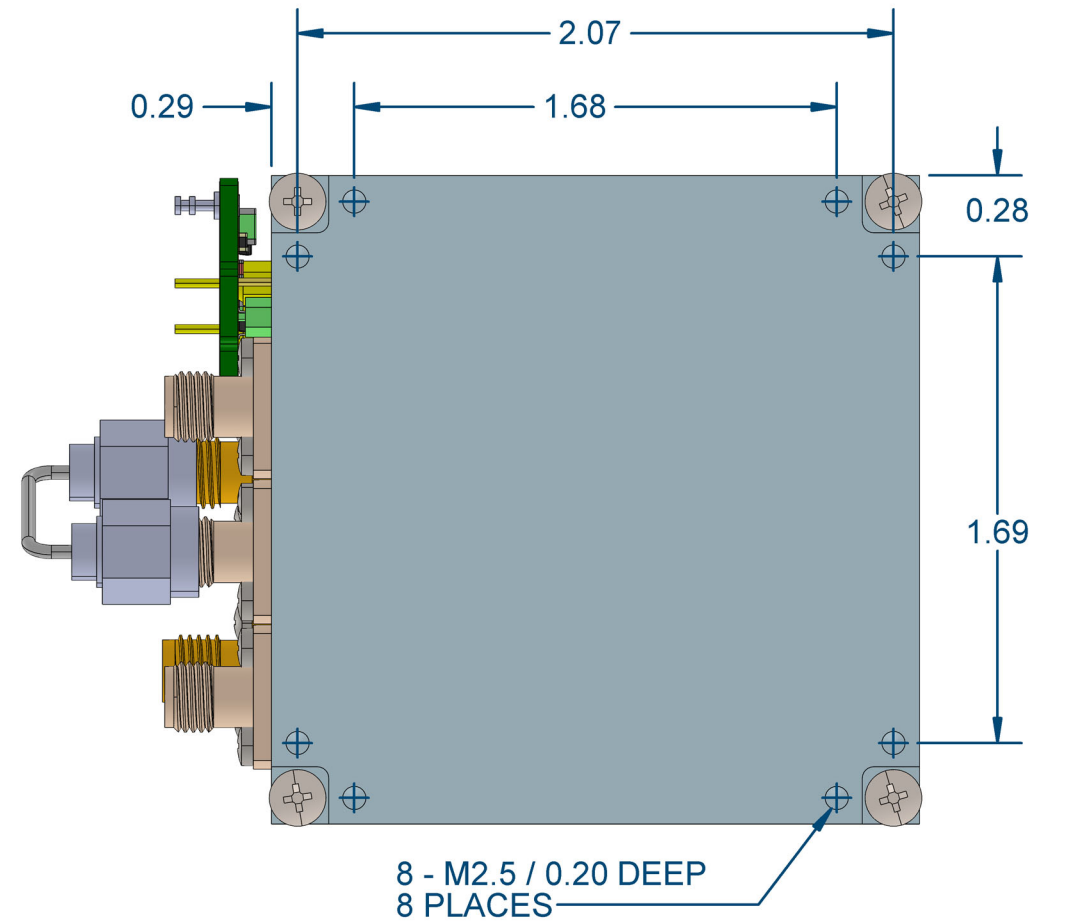
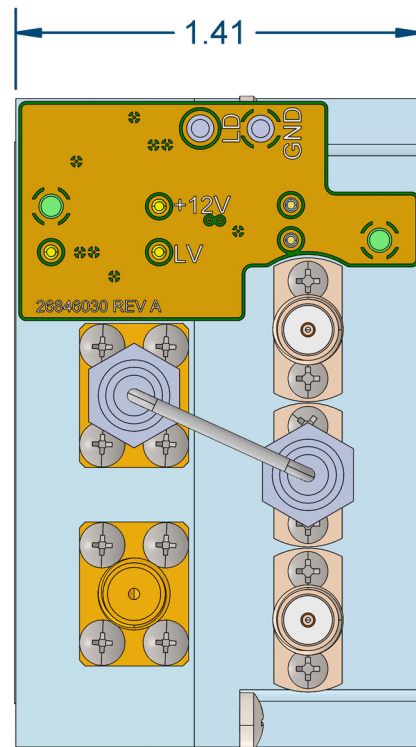
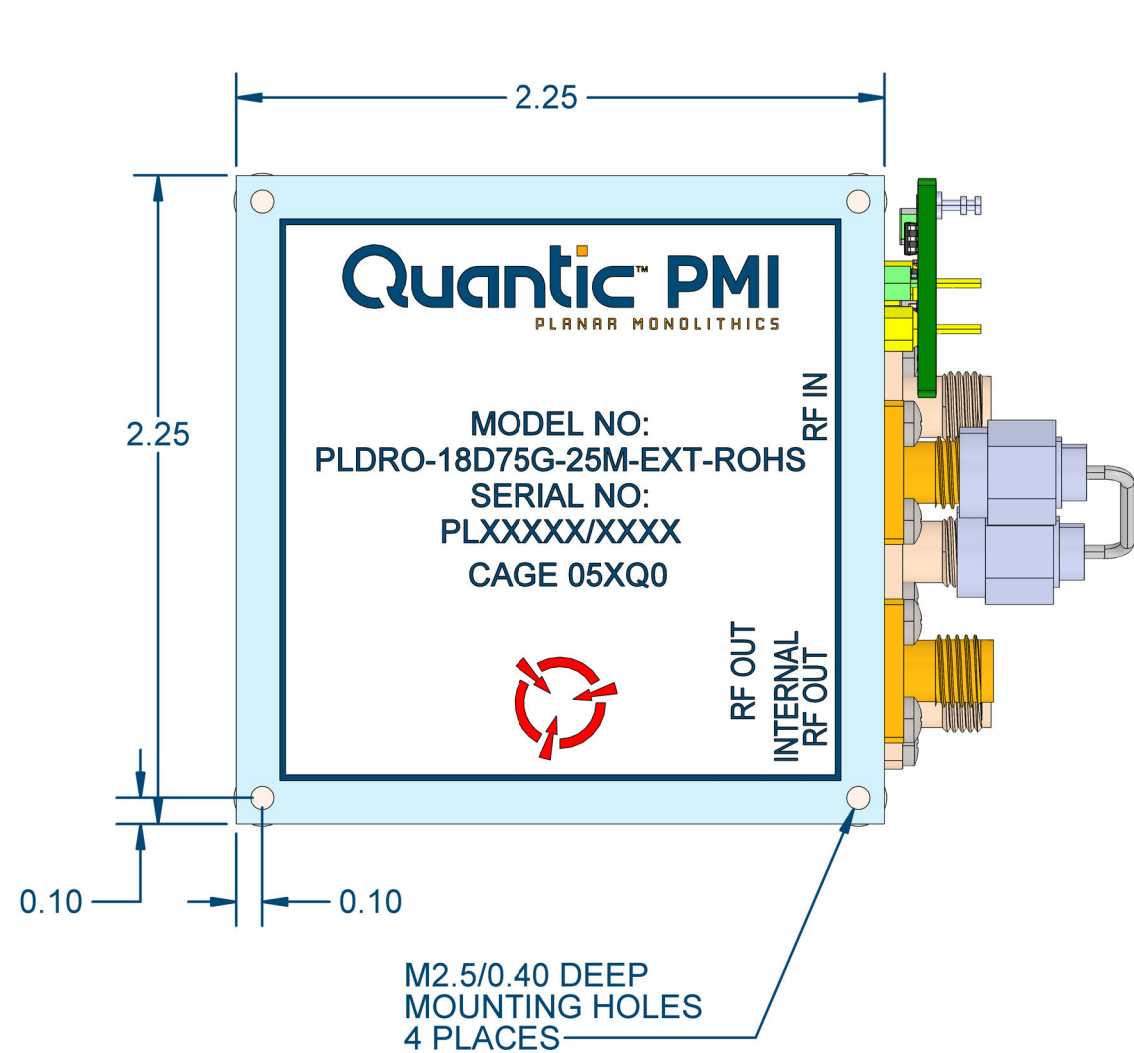
INPUT		OUTPUT
LD1	LD2	LD
TTL LOW	TTL LOW	TTL LOW
TTL LOW	TTL HIGH	TTL LOW
TTL HIGH	TTL LOW	TTL LOW
TTL HIGH	TTL HIGH	TTL HIGH



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	27045980	B1
				SCALE 1:1		SHEET 1 OF 2	



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ISSUED		SIZE B	FSCM NO. 05XQ0	DWG NO. 27045980	REV. B1		
		SCALE 1:1			SHEET 2 OF 2		