

Description:

PMI Model No. PIA-25-CD-1-EXT is a Phase Locked, Dielectric Resonator Oscillator with External Reference (PLDRO) covering the frequency of 25.0 GHz.

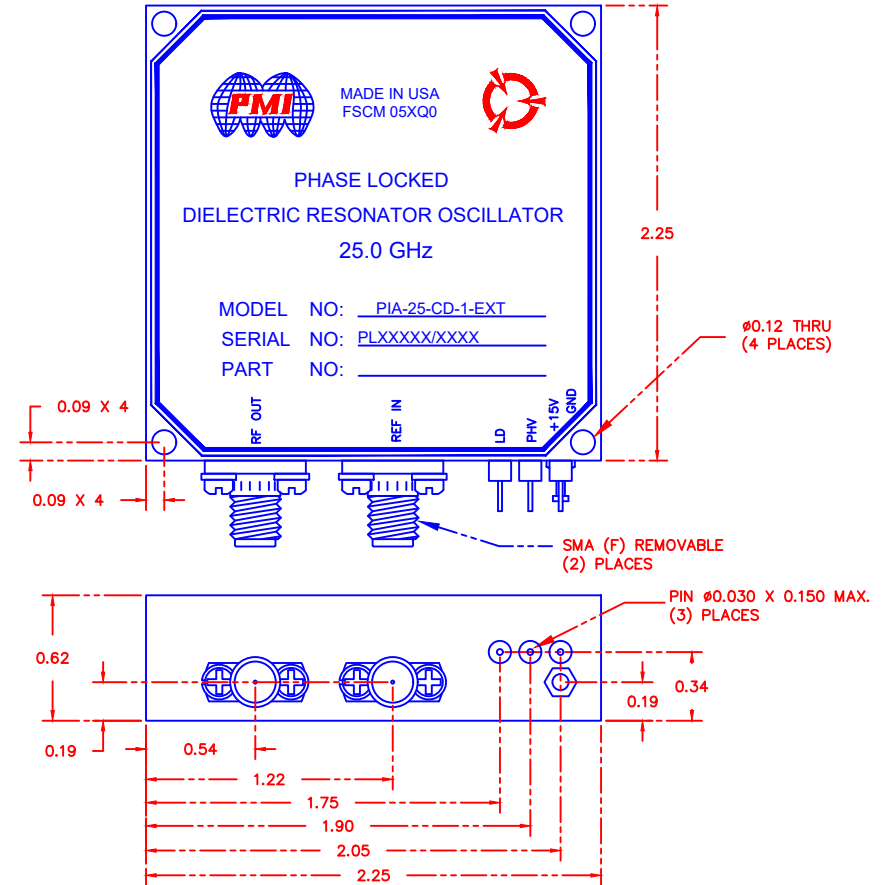
Specifications:

- Frequency Range: 25.0 GHz
- Power Output: 13 dBm Min
- VSWR: 1.4:1 Typ.
- External Reference: 100 MHz (0 dBm, +/-3 dBm)
- Frequency Stability: ±3 ppm
- Spurious: <-60 dBc
- Harmonics: <-25 dBc
- Phase Noise @ Offset:
 - 1 Hz: <-34 dBc/Hz Typ.
 - 10 Hz: <-55 dBc/Hz Typ.
 - 100 Hz: <-75 dBc/Hz Typ.
 - 1 KHz: <-95 dBc/Hz Typ.
 - 10 KHz: <-100 dBc/Hz Typ.
 - 100 KHz: <-105 dBc/Hz Typ.
 - 1 MHz: <-130 dBc/Hz Typ.
- DC Voltage Supply: +15V
- DC Current Draw: 450mA Max.
- Alarm (LD): TTL Volts
- Connectors: SMA Female
- Finish: Nickel

Environmental Ratings:

- Temperature: -25°C to +70°C (Operating)
..... -55°C to +125°C (Storage)
- Humidity: MIL-STD-202F, METHOD 103B COND B.
- Shock: MIL-STD-202F, METHOD 213B COND B.
- Altitude: MIL-STD-202F, METHOD 105C COND B.
- Temperature Cycle: MIL-STD-202F, METHOD 107D COND A
- Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/19/20	



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PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
 FREDERICK, MARYLAND 21704 USA
 TEL: 301-662-5019 FAX: 301-662-1731
 WEBSITE: www.pmi-rf.com
 E-MAIL: sales@pmi-rf.com



ISO 9001:2008 CERTIFIED

ALL DIMENSIONS ARE IN INCHES
 TOLERANCES:
 X.XX ±0.010
 X.XXX ±0.005

APPROVALS		DATE	TITLE		
DRAWN <i>SMJ</i>		10/19/20	PRODUCT FEATURE PIA-25-CD-1-EXT		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	27040580
			SCALE	N:S	SHEET 1 OF 1
					REV. A1