

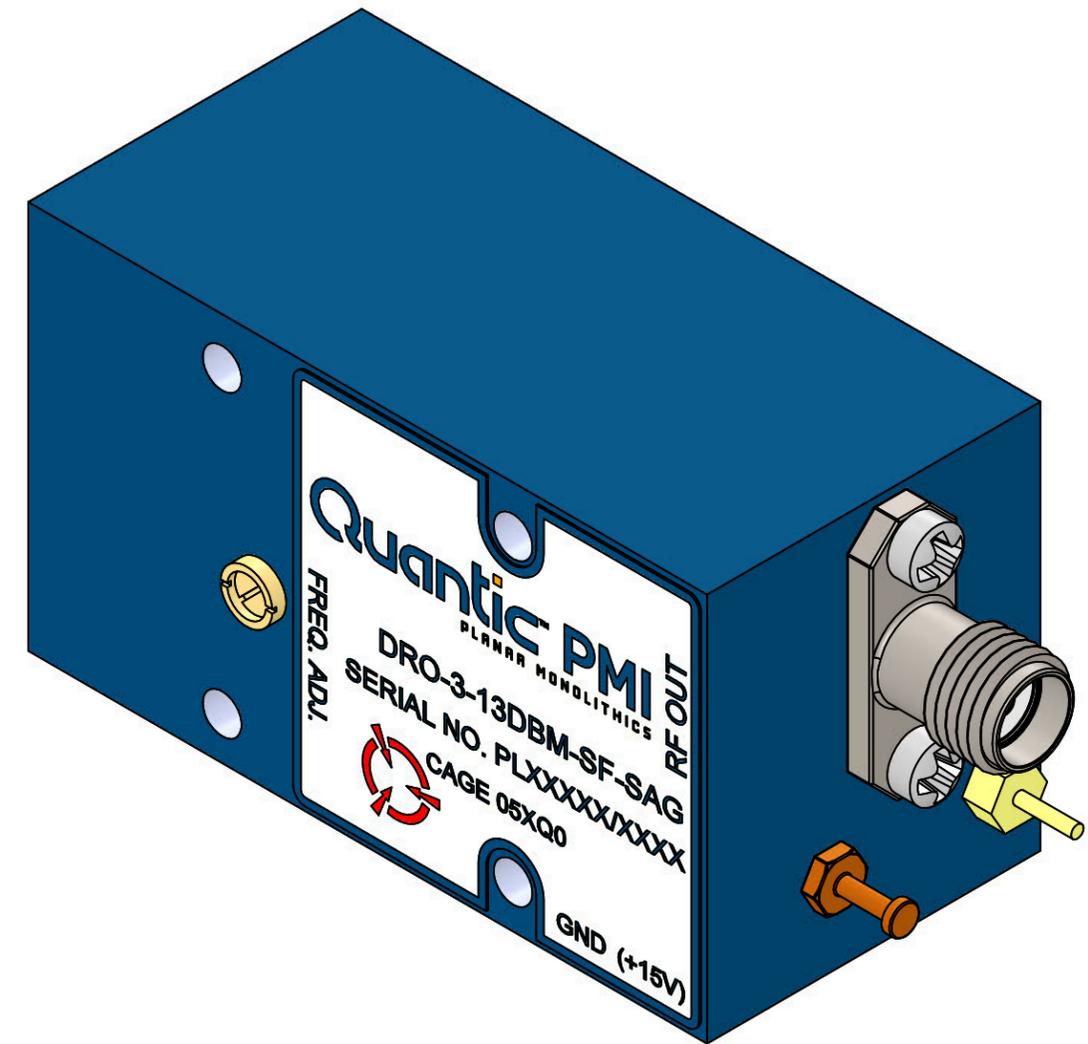
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	5/15/2025	

DESCRIPTION:

PMI MODEL NUMBER DRO-3-13DBM-SF-SAG IS A DIELECTRIC RESONATOR OSCILLATOR WITH A CENTER FREQUENCY OF 3.0 GHz. IT HAS A POWER OUTPUT OF +9 dBm AND A MECHANICAL TUNING RANGE OF ± 10 MHz. THIS MODEL IS OUTFITTED WITH A SMA FEMALE CONNECTOR.

SPECIFICATIONS @ 25°C:

- CENTER FREQUENCY:..... 3 GHz NOMINAL
- POWER OUTPUT:..... +9 dBm MIN.
- MECHANICAL TUNING RANGE:..... ±10 MHz MIN.
- FREQUENCY STABILITY:..... ±10 ppm/°C MAX
- PHASE NOISE AT 100 kHz OFFSET:..... -95 dBc/Hz MAX
- SPURIOUS:..... -75 dBc MAX
- HARMONICS:..... -20 dBc MAX
- BIAS VOLTAGE:..... +10 V_{DC} MIN.
+12 V_{DC} TYP.
+15 V_{DC} MAX
- BIAS CURRENT:..... 200 mA MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... PAINTED BLUE,
MOUNTING SURFACE NICKEL PLATED
- SIZE:..... 1.75" (L) X 1.00" (W) X 0.86" (H)



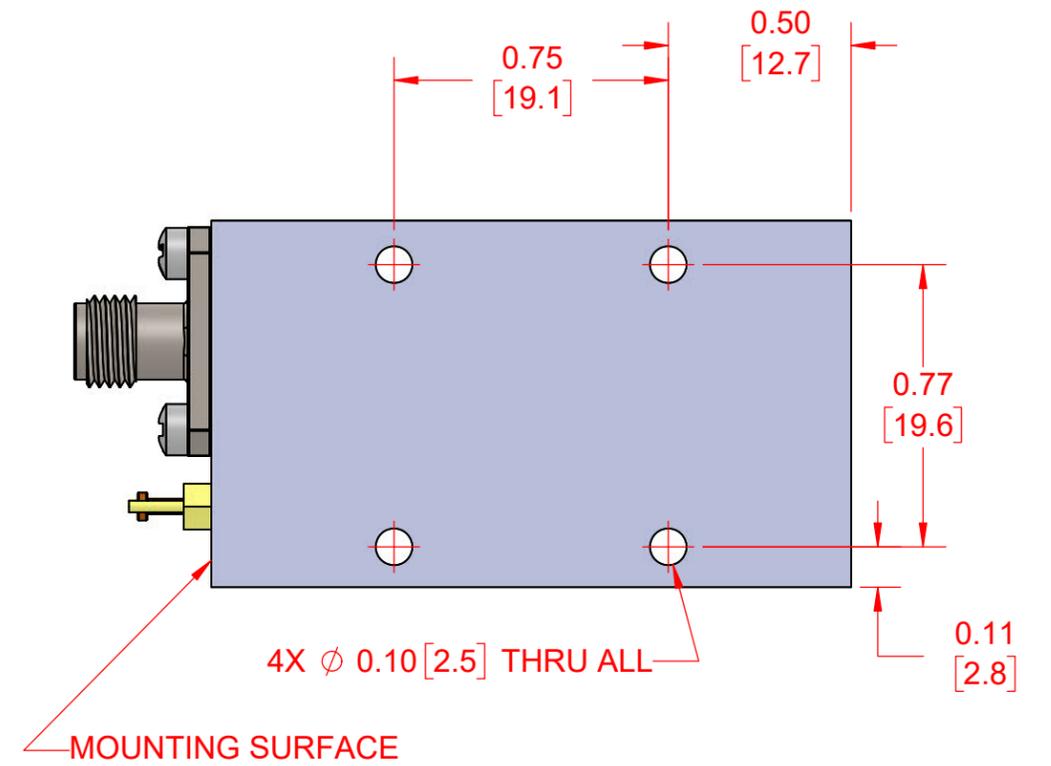
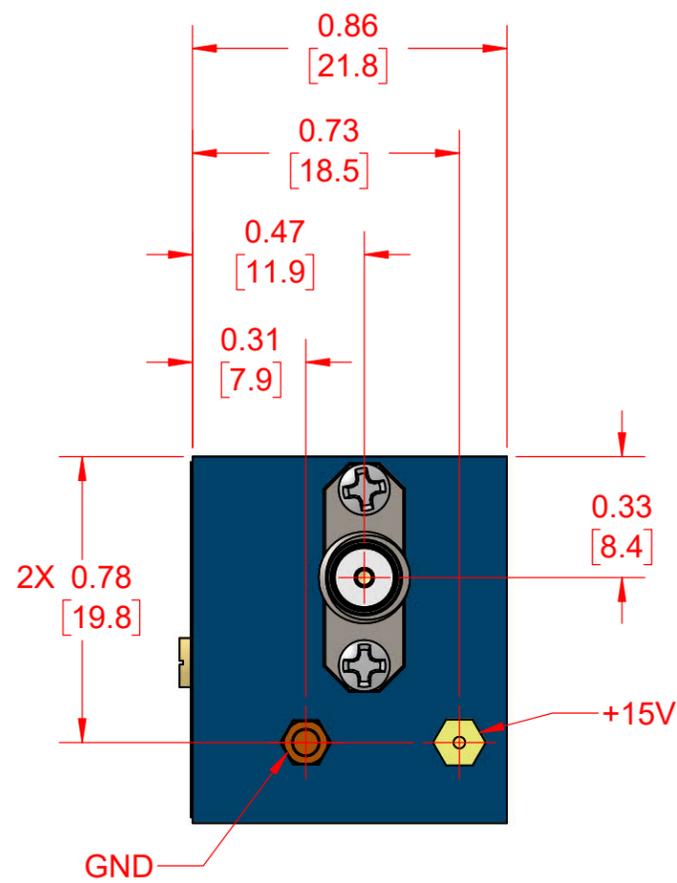
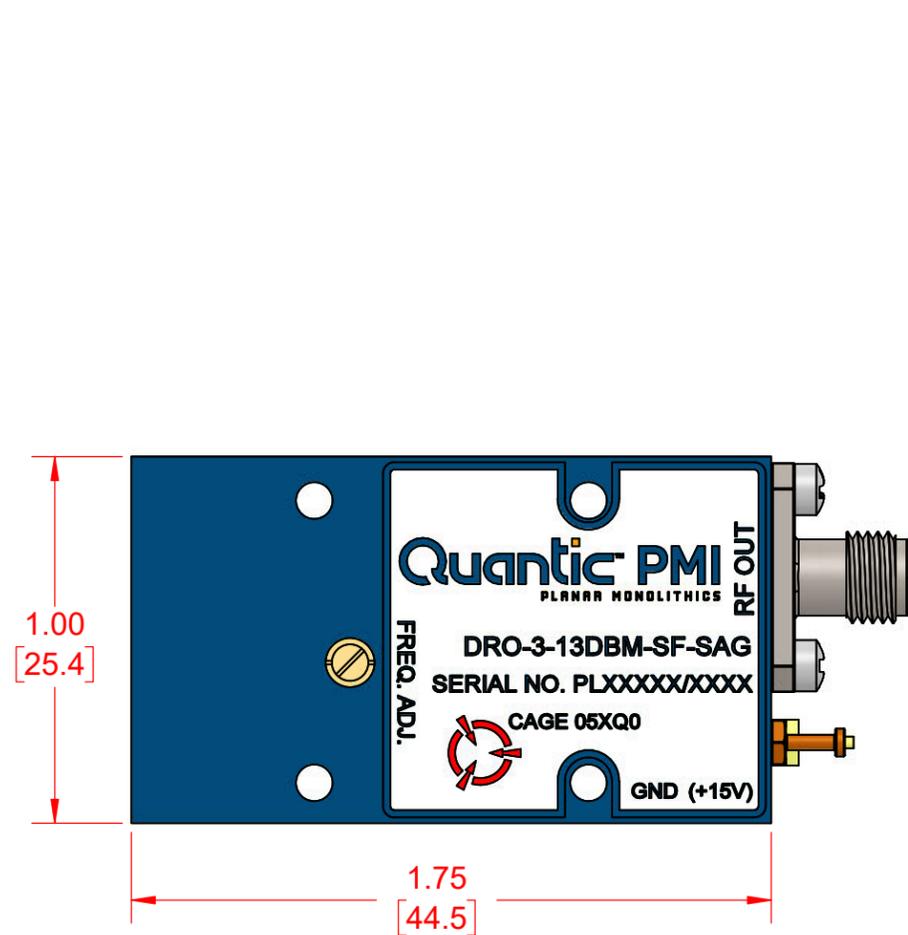
ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... 0°C TO +50°C (OPERATING)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

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

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<small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01</small>		APPROVALS		DATE		Quantic PMI <small>PLANAR MONOLITHICS</small> 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 VP		5/15/2025			
REDRAWN		ISSUED		TITLE OUTLINE DRO-3-13DBM-SF-SAG		REV. A1	
SIZE B		FSCM NO. 05XQ0		DWG NO. 27051820		SCALE 3:1	
						SHEET 1 OF 2	



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TITLE		OUTLINE	
DRO-3-13DBM-SF-SAG			
SIZE	FSCM NO.	DWG NO.	REV.
B	05XQ0	27051820	A1
SCALE 2:1			SHEET 2 OF 2