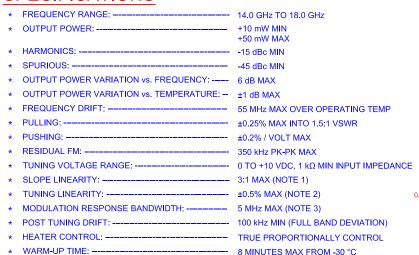
DESCRIPTION

PMI MODEL NO. PVCO-14G18G-10DBM-SF IS A VOLTAGE CONTROLLED OSCILLATOR THAT PROV dBm TO +17 dBm OVER 14.0 TO 18.0 GHz. THE HARMONICS ARE -15 dBc AND SPURIOUS IS -45 dB VCO IS TEMPERATURE STABILIZED OFFERING LESS THAN 55 MHz FREQUENCY DRIFT OVER THE SPECIFIED OPERATING TEMPERATURE RANGE. THE TUNING VOLTAGE IS 0 TO 10 VDC WITH A 1 IMPEDANCE.

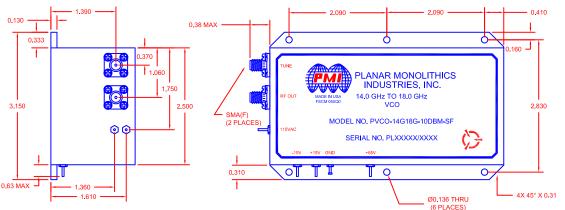
SPECIFICATIONS

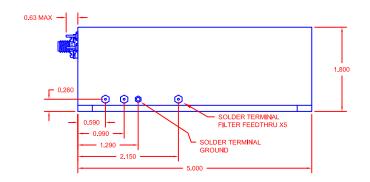


	ZONE
IDES +10	
Bc. THIS E	
I kΩ INPUT	

REVISIONS REV DESCRIPTION APPROVED **PRELIMINARY** 12/21/15

MECHANICAL OUTLINE





0.63 MAX -- 8 MINUTES MAX FROM -30 °C --- +15 VDC ± 5% @ 1.2 AMPS MAX DC SUPPLIES: -----15 VDC ± 5% @ 0.1 AMPS MAX +65 VDC ± 5% @ 0.025 AMPS MAX 115 VAC ± 5% @ 50 TO 400 Hz 1.5 AMPS MAX (TURN-ON) 0.8 AMPS MAX (STEADY-STATE @ -30 °C) RF OUTPUT & TUNING CONNECTORS: ---- SMA FEMALE POWER CONNECTION: -----RFI SOLDER TERMINALS - 5.0" x 3.15" x 1.80" —— EPOXY PAINTED BLUE NOTE 1: SLOPE LINEARITY IS DEFINED AT THE VARIATION OF TUNING SENSITIVITY OVER THE FULL FREQUENCY RANGE. NOTE 2: THE MAXIMUM OUTPUT FREQUENCY DEVIATION FROM A BEST FIT STRAIGHT LINE APPROXIMATION OF THE

TUNING CURVE UNDER SPECIFIED LOAD AND CONSTANT TEMPERATURE CONDITION.

TUNING LINEARITY =
$$\frac{\pm \Delta f \text{ (MHz)}}{\text{TUNING BANDWIDTH (MHz)}} 100(\%)$$

NOTE 3: THE FREQUENCY DRIFT IN A TIME PERIOD STARTING 10 ms AFTER APPLICATION OF THE TUNING VOLTAGE AND CONTINUING FOR 3 SECONDS SHALL NOT EXCEED 5 MHz.

ENVIRONMENTAL RATINGS

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

*	TEMPERATURE:	-55 °C TO +85 °C (OPERATING) -65 °C TO +125 °C (STORAGE)
*	SHOCK:	15G. 11 ±1 ms
*	VIBRATION:	0.1 INCH PK-PK or 10G (5 TO 500 Hz) MIL-E-5400R FIG. 2 (SHEET 1 OF 3 - CURVE
*	RELATIVE HUMIDITY:	100%

X XXX PMI CONFIDENTIAL AND PROPRIETARY

ALL DIMENSIONS

ARE IN INCHES (mm) TOLERANCES:

+0.020

+0.010

X.XX

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