

Electrical Specifications

Nominal Frequency (F_{ON}): 282.0MHz

Frequency Stability over Temperature, Load Variations and Supply Variations

± 20 ppm, maximum

Aging: 10-years, $< \pm 10$ ppm

VCXO Tuning

Deviation, $> \pm 30$ ppm

Control Voltage, 1V_{DC} to 4V_{DC}

Modulation Bandwidth, 3kHz, minimum

Slope, Positive

Output (Sinewave)

Level, 0dBm, ± 2 dBm

Load, 50 Ω nominal, $\pm 10\%$

Harmonic and Spurious Signals (maximum)

Harmonic, -20dBc

Sub-Harmonic, -35dBc

Spurious, -90dBc

MtronPTI
DOCUMENT CONTROL

SSB Phase Noise (typical)

-67dBc/Hz @ 10Hz offset

-97dBc/Hz @ 100Hz offset

-118dBc/Hz @ 1kHz offset

-140dBc/Hz @ 10kHz offset

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Power

Voltage, +5.0V_{DC} $\pm 5\%$

Current Consumption, 50.0mA maximum

Operating Temperature Range: -10°C to +50°C

MtronPTI MODEL: XO7068-009R

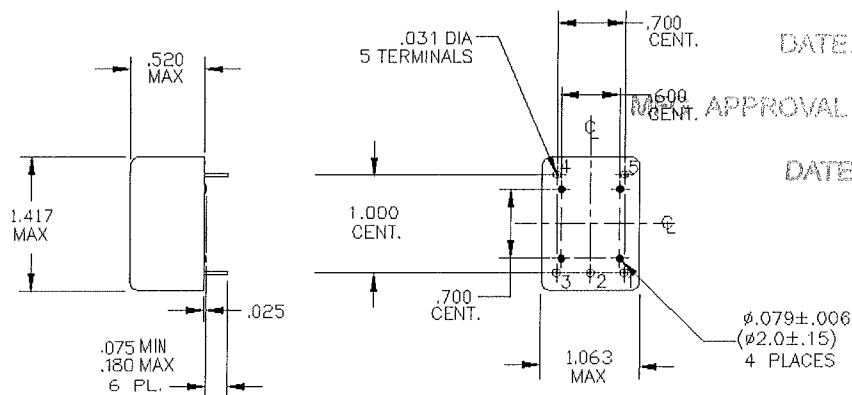
DIMENSIONS ARE SHOWN IN INCHES

ENG APPROVAL: BA

DATE: 7/24/09

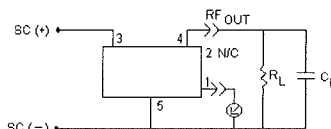
MANUFACTURING APPROVAL: DA

DATE: 7/27/09



PINOUT	
PIN#	
1	VCO INPUT
2	N/C
3	B+
4	RF OUT
5	CASE

NOTE: PIN NUMBERS SHOWN FOR REFERENCE ONLY.



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Rev. -

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