

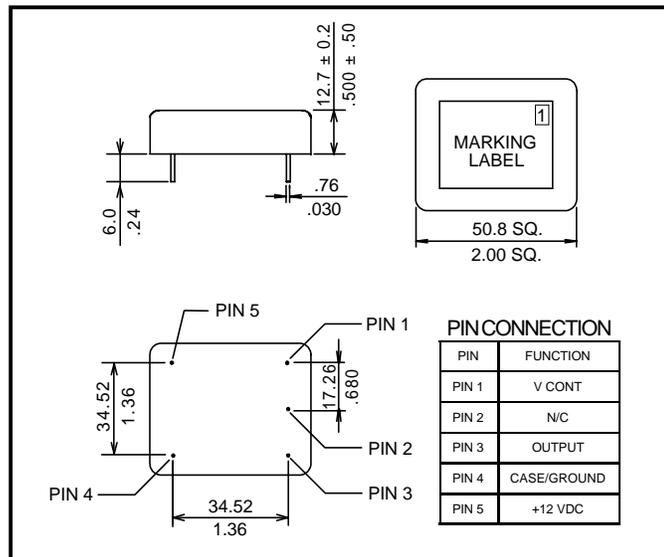
- **FEATURES**
 - PLL DESIGN
 - TOLERANCE AND STABILITY TO ± 10 PPM
 - CUSTOM SPECIFICATIONS AVAILABLE

SERIES VH6131
2488.32 MHz

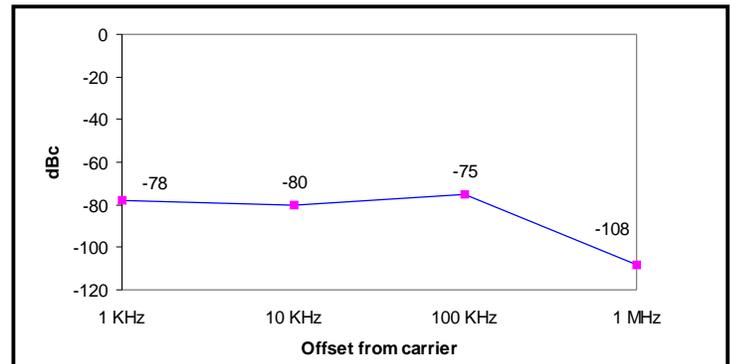
● **SPECIFICATIONS**

NOMINAL FREQUENCY	2488.32 MHz
FREQUENCY STABILITY OVER TEMPERATURE RANGE (REFERENCED TO 25°C)	± 25 PPM MAX OVER 0°C TO +70°C AT VC = +2.5 VDC AND STANDARD LOAD
OPERATING TEMPERATURE RANGE	0°C TO +70°C
STORAGE TEMPERATURE RANGE	-40°C TO +85°C
AGING CHARACTERISTICS	± 5.0 PPM MAX FOR THE FIRST YEAR AND ± 10 PPM MAX FOR 10 YEARS
OUTPUT WAVEFORM	SINEWAVE OUTPUT LEVEL: 0 dBm HARMONIC SUPPRESSION: -10 dBc TYPICAL REFERENCE SUPPRESSION: -50 dBc MIN AT ± 9.72 MHz AWAY FROM CARRIER
LOAD	50 OHMS
FREQUENCY STABILITY OVER LOAD VARIATION	± 3.0 PPM MAX FOR 10% VARIATION AT VC = +2.5 VDC, VCC = +12.0 VDC AT 25°C
SUPPLY VOLTAGE	+7.0 TO +12.0 VDC $\pm 5\%$
FREQUENCY STABILITY OVER SUPPLY VOLTAGE VARIATION	± 1.0 PPM MAX FOR 5% VARIATION AT VC = +2.5 VDC AND STANDARD LOAD AT 25°C
SUPPLY CURRENT	100 mA MAX AT VC = +2.5 VDC, VCC = +12.0 VDC AND STANDARD LOAD AT 25°C
FREQUENCY ADJUSTMENT	± 50 PPM MIN OVER CONTROL VOLTAGE RANGE AT VCC = +5.0 V AND STANDARD LOAD AT 25°C
NOMINAL CONTROL VOLTAGE (VC)	+2.5 VDC
SETTABILITY AT Vfo \uparrow	+2.5 VDC ± 0.5 VDC
CONTROL VOLTAGE RANGE	+0.5 TO +4.5 VDC
LINEARITY	$\pm 15\%$ MAX OF BEST STRAIGHT LINE FIT
SLOPE	POSITIVE
MODULATION FREQUENCY BANDWIDTH	10 KHz (-3dB) MIN
INPUT IMPEDANCE	50 KOHM MIN
PHASE NOISE (TYPICAL)	SEE GRAPH OF PHASE NOISE CHARACTERISTICS

● **OUTLINE DRAWING**



● **PHASE NOISE CHARACTERISTICS**



● **PART NUMBERING SYSTEM**

SERIES	TEMPERATURE CODE	FREQUENCY ADJUSTMENT	FREQUENCY
VH6131*	LZ	30	2488.32 MHz

EXAMPLE:
VH6131*-LZ-30-2488.32 MHz