

VCXO-2G5

1. Specification

Nominal Frequency:	2488.32 MHz
Nominal frequency tolerance, $U_C = 2.5 \text{ V}$, $T = 23 \pm 5^\circ\text{C}$:	$< \pm 15 \text{ ppm}$
Frequency stability in the temperature range 0°C to $+70^\circ\text{C}$ @ $U_C = 2.5 \text{ V}$; $T = 25^\circ\text{C}$: vs. supply voltage changes $U_B \pm 5 \%$: vs. load changes $\pm 5 \%$:	$< \pm 20 \text{ ppm}$ $< \pm 5 \text{ ppm}$ $< \pm 5 \text{ ppm}$
Aging @ 25°C :	$< \pm 5 \text{ ppm}$ / first year $< \pm 2 \text{ ppm}$ following years
Frequency control range:	$\geq \pm 100 \text{ ppm}$ $< \pm 200 \text{ ppm}$
Control voltage U_C :	0 V to 3.0 V
Transfer function:	positive
Supply voltage U_B :	$3\text{V} \pm 5 \%$
Current consumption:	$\leq 100 \text{ mA}$
Output voltage : type: load : level:	Sinewave 50 Ohm $\geq 1V_{PP}$
Phase noise: 1 kHz: 10 kHz:	-65 dBc / Hz -70 dBc / Hz
Harmonic suppression:	min. 20 dBc
Subharmonic suppression:	min. 30 dBc
Spurious response:	min. 40 dBc
Temperature ranges Operating: Operable: Storage:	$-25^\circ\text{C} \dots + 85^\circ\text{C}$ $-25^\circ\text{C} \dots + 85^\circ\text{C}$ $-55^\circ\text{C} \dots + 105^\circ\text{C}$

2. Environmental conditions



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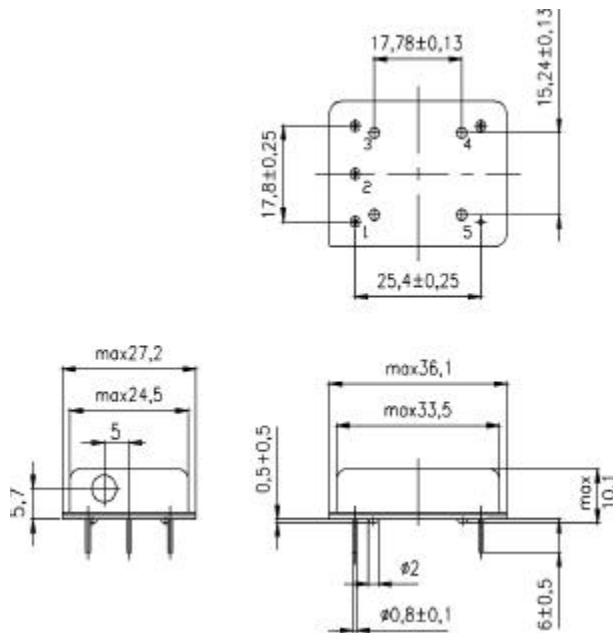
Shock:	DIN IEC 68-2-27, Test Ea, 100 g, 6ms Half-sine, 3 bumps in 3 main directions
Vibration:	DIN IEC 68-2-6, Test Fc, 10-500Hz, 10g, 2 h in 3 main directions
Humidity:	DIN IEC 68-2-3, 40°C/93%RH, 21 days
Solderability:	DIN IEC 68-2-20 only for wire leads, Methode 3: Solder globule at + 235°C

3. Marking

Manufacturer's name, date code(week/year)
Specification
Center frequency

4. Case

Case style: BF-151-10



1. Pin configuration

1. Control voltage U_C
2. N.C.
3. Supply voltage
4. RF-output
5. Ground, case

RF-output: MMCX Miniature Micro AX connector