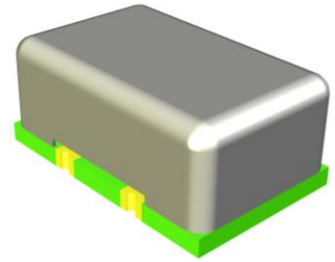


MINIATURE HIGH FREQUENCY VOLTAGE CONTROLLED OCXO MV433

Complete analog VCXO Crystek CVHD-950
Preliminary information



Features:

- Frequency range: 60 – 122.88 MHz
- Small package 9x14x6.5 mm
- Low phase noise level
- Supply voltage 3.3V

Availability of certain stability vs. operating temperature range		Phase noise level	Frequency pulling range (min)
A	0...+55°C	$\pm 8 \times 10^{-6}$ (8E-6)	1, 2, 3, 4
GR	-20...+60°C	$\pm 15 \times 10^{-6}$ (15E-6)	1, 2, 3
D	-40...+70°C	$\pm 20 \times 10^{-6}$ (25E-6)	1, 2
EX	-40...+85°C	$\pm 25 \times 10^{-6}$ (25E-6)	1, 2

For other temperature ranges see designation at the end of Data Sheet

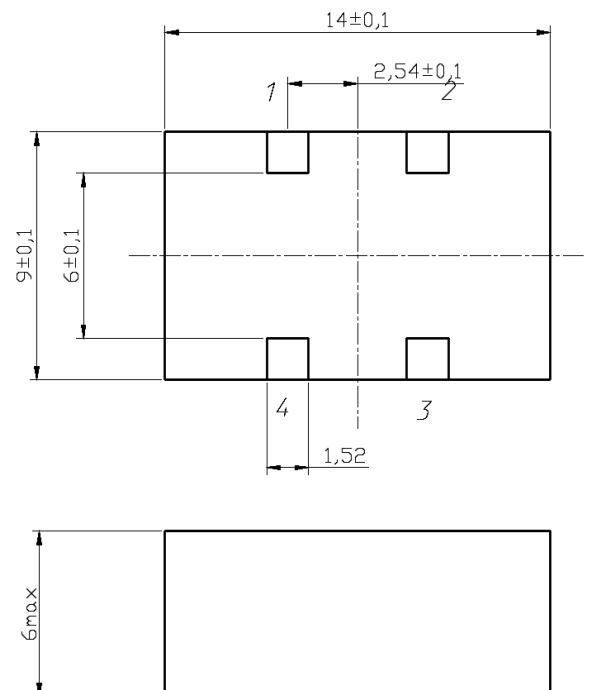
Phase noise, dB/Hz, at offset (for 100 MHz):				
	1	2	3	4
1 kHz	-125	-130	-135	-140
10 kHz	-140	-145	-150	-155
100 kHz	-155	-160	-160	-160

Frequency stability vs. power supply changes ($\pm 5\%$)	$\leq \pm 2 \times 10^{-6}$
Frequency stability vs. load changes ($\pm 10\%$)	$\leq \pm 0.5 \times 10^{-6}$
Power supply	3.3 V $\pm 5\%$
Steady state current consumption	<30 mA
External control voltage range	0...3.3 V

Output	HCMOS
Level	«0» <0,15xUs «1» >0,75xUs
Duty cycle	45...50%
Load	10 kOhm/ 15pF

Vibrations	10-2000 Hz/10g
Shock	100 g/ 0.1-2 ms
Humidity	98% @ +25°C
Storage temperature range	-60...+85°C

Pin	Designation
1	Control voltage input
2	Ground (case)
3	RF output
4	Power supply



Additional notes:

For non-standard operating temperature ranges please use the following two letter designations (first letter for the lower limit, second letter for the upper limit), °C

Обозн.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	W	X
Темп.	-60	-55	-50	-45	-40	-30	-20	-10	0	+10	+30	+40	+45	+50	+55	+60	+65	+70	+75	+80	+85

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