

180 **Voltage controlled crystal oscillator MVXO-100**

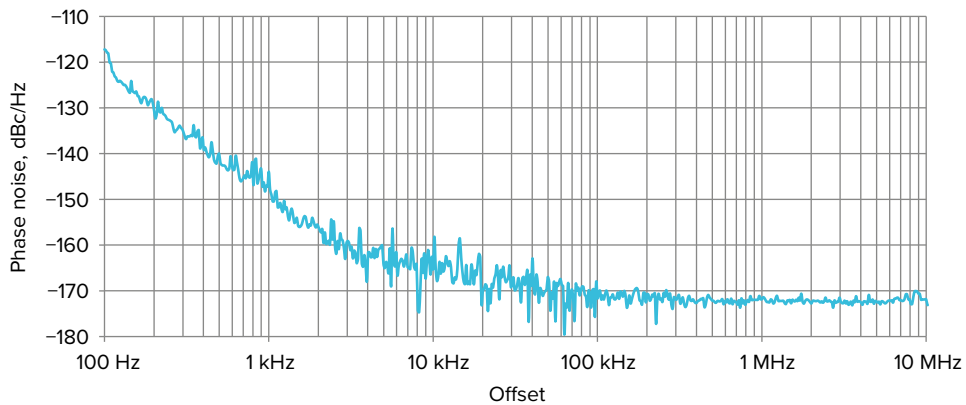
- Low phase noise
- Low power consumption
- Compact size



MVXO-series VCXOs are widely used for communication, navigation, and instrumentation applications. High frequency stability and ultra-low power consumption make the MVXO-100 ideal for compact and portable applications.

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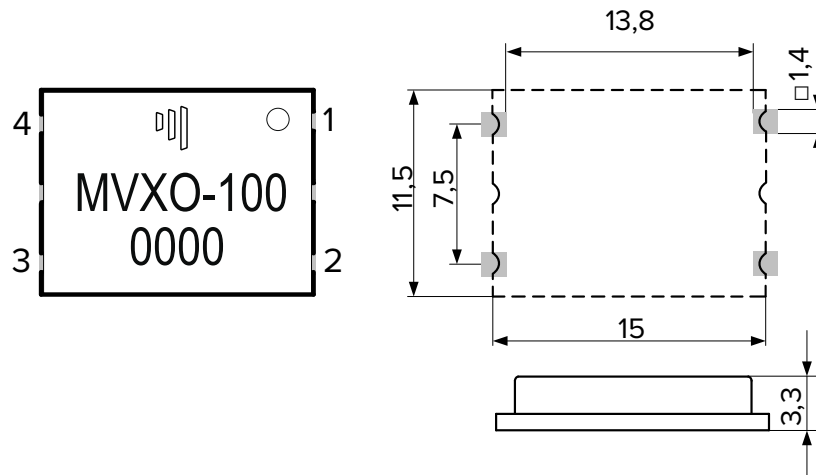
Phase noise



Technical Specifications

Output frequency, MHz	10...175
Aging ppm/year	± 3
Phase noise @ 100 MHz offset, dBc/Hz, max. :	
1 kHz	-140
10 kHz	-165
> 100 kHz	-170
Supply voltage, V	3.3...5
Current consumption, mA	10
Frequency versus temperature, ppm	15
Trim voltage, V	0...5
Control voltage, V	0...5
Frequency tuning range, ppm, min.	± 25
Output power, dBm, max.	3

Overall and Mounting dimensions, mm



Pin number	Description
1	Control input 0...5 V
2	Supply voltage input 3.3...5 V
3	Operating frequency signal output
4	Ground