Low Profile Precision OCXO MV201

Features:
- High stability vs. temperature: up to $\pm3\times10^{-10}$
- Package height: from 16 mm down to 12.7 mm
- Power supply: 5V or 12V
- Replacement of MV62 OCXO
- Frequency range: 10.0 – 40.0 MHz

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


Additional notes:
- Please consult factory for daily aging values. Normally typical correspondence of daily aging per day to aging per year is as following: $\pm1x10^{-7}$/year - $\pm1x10^{-9}$/day: $\pm5x10^{-9}$/year - $\pm5x10^{-10}$/day: $\pm5x10^{-10}$/year - $\pm3x10^{-10}$/day.
- Please mention RoHS requirement (if any) while requesting for quote or while placing PO.
- For non standard operating temperature ranges please use the following two letters designations (first letter for the lower limit, second letter for the upper limit), °C:

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

Package drawing:

H=19 mm for Y19; H=16 mm for Y16; H=12.7 mm for Y12.7.

Vibrations:
Frequency range: 10-500 Hz
Acceleration: 5g
Shock:
Acceleration: 75 g
Duration: 3x1 ms
Storage temperature range: -55...+85 °C

References:
- Reference voltage with external potentiometer
- Reference voltage with external voltage range
- Frequency pulling range (for “D” temp. range)
- Steady state current consumption @ 25°C
- Peak current consumption during warm-up (for “D” temp. range)
- Power supply (Us)
- Short term stability (Allan deviation) per 1 sec (for 10MHz)
- Frequency stability vs. load changes
- Frequency stability vs. power supply changes
- Warm-up time with accuracy of $<2x10^{-8}$@ 25°C
- Power supply
- Steady state current consumption @ 25°C
- Peak current consumption during warm-up (for “D” temp. range)
- Frequency pulling range (for 10 MHz)
- with external voltage range (Uin)
- with external potentiometer
- Reference voltage (Uref)

Power supply: 5V or 12V
Output: SIN or HCMOS

Package type:
5x14x12.7 mm Y12.7
5x14x16 mm Y16
5x14x19 mm Y19

Due to continuous development and improvement Morion, Inc. reserves the right to modify design or specifications of its products without prior notice
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