

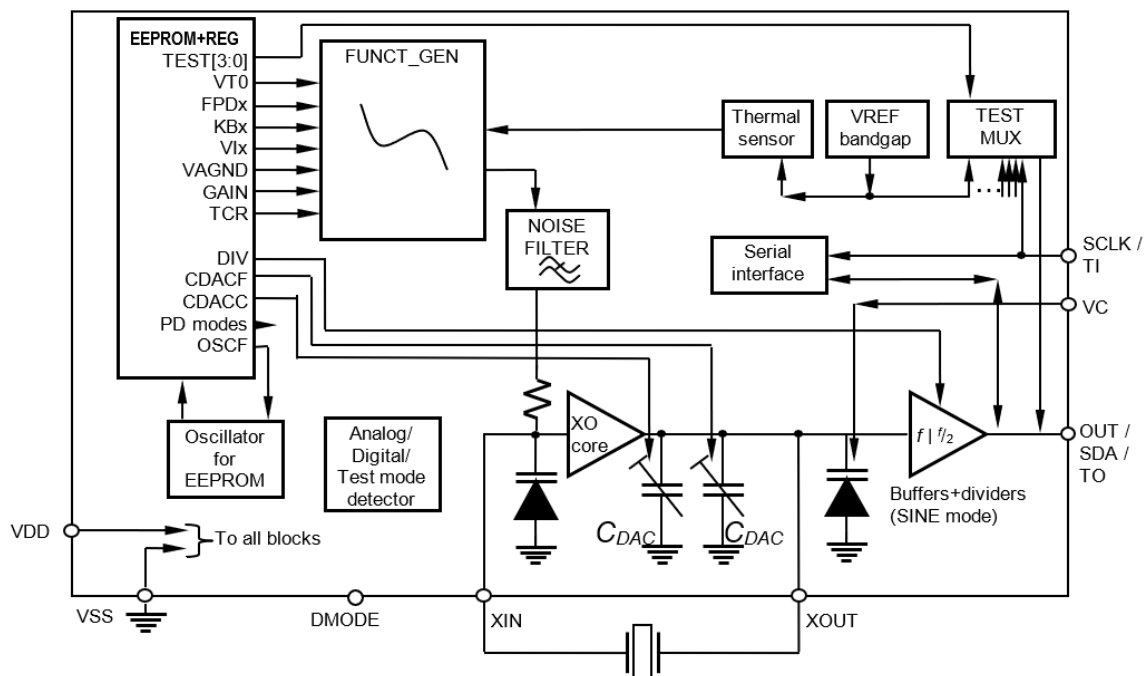
Micro Analog Systems releases ultra-wide temperature range VCTCXO IC

Targeted for very wide temperature range VCTCXO and TCXO modules.

Helsinki, Finland – 1 July 2019 - Micro Analog Systems Oy today announced MAS6287, a miniature VCTCXO IC primarily intended for the most stable TCXO and VCTCXO modules operating in a very wide temperature range.

The device uses patented fully analog compensation method making it possible to achieve ± 1 ppm or better frequency stability over ultra-wide temperature range -60 °C ... $+125$ °C. Small size makes it suited also for small modules.

MAS6287 has typical power consumption only 2.5 mA at 40MHz. Low phase noise of -134 dBc/Hz at 1 kHz allows the use of the MAS6287 in demanding applications. The frequency stability against load or supply voltage changes is excellent. It has programmable divider function allowing the output frequency range of 8 MHz to 52 MHz. Output waveform can be selected from clipped sine wave or CMOS.



FEATURES

- Ultra-wide operating temperature range -60 °C ... +125 °C
- High frequency stability
- Patented fully analog temperature compensation
- Very low phase noise
- Low current consumption
- Very small size
- Oscillator frequency output selectable by EEPROM direct or $f_c/2$.
- Output waveform selectable by EEPROM: clipped sine wave or CMOS.

The MAS6287 is available as die or in a small QFN-10 3x3x0.75mm package. Volume production has already started and samples are available. Price for 1000 pcs dies is USD 1.90 each, Ex works Micro Analog Systems Oy, Finland.

About Micro Analog Systems

Founded in 1984, Micro Analog Systems Oy is a privately owned fabless semiconductor house located in Helsinki, Finland. MAS supplies Application Specific Standard Parts and ASICs for worldwide customer base. MAS current product portfolio consists of time signal receiver ICs, crystal oscillator ICs and AD converters for sensor applications as well as of other high performance analog ICs.

For More Information

Company Contact:
Juha Majakulma
Director
+358 50 331 5638
juha.majakulma@mas-oy.com