MEC
Since 1973

Unique Products

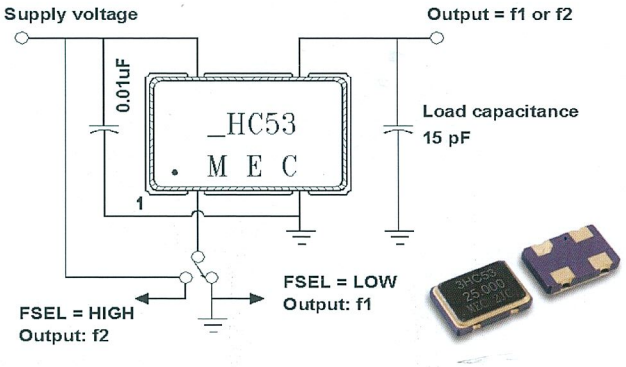
RoHS Compliance

Frequency Switchable Oscillators

HC Group

Features:

1. HC53 features frequency switching function with provides the convenience of system level evaluation at two different clock rated from the same oscillator.
2. Output type: CMOS, square wave
3. Package Dimension: SMD 5.0x3.2x1.2 (H) mm
4. Available Frequency Range: 1 to 200 MHz.
5. Available Supply Voltage: +1.8V, +2.5V and +3.3V
6. Frequency Selection by toggling FSEL high (default) or low at pin #1.
7. Custom Frequencies and applications are welcome.

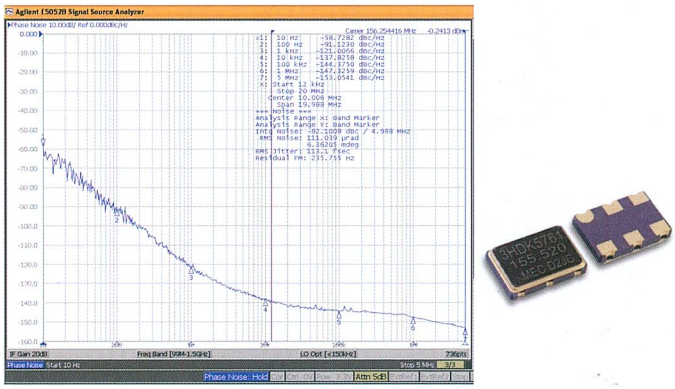


Oscillators of LVPECL, LVDS and HCSL (with No PLL)

HPK / HDK / HCK Group

Features:

1. LVPECL / LVDS / HCSL Oscillators With No PLL
2. SMD 7.0 x 5.0 x 1.8 (H)mm, SMD 5.0 x 3.2 x1.2 (H)mm, SMD 3.2 x 2.5 x 1.0 (H)mm
3. Available Supply Voltage: +2.5V and +3.3V
4. Available Frequency Range: 13.5 to 200MHz
5. Very Low Current Consumption:
   16mA typical, 50mA max.
6. Excellent Phase Noise (typical): (3.3V, PECL, 156.250)
   -91 dBc/Hz @100Hz, -121 dBc/Hz @1KHz,
   -138 dBc/Hz @10KHz, -144 dBc/Hz @100KHz,
7. RMS Jitter: 153 fsec typ. (12 KHz to 20 MHz)

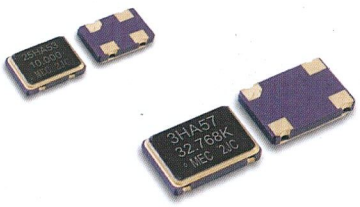


SMD Clock Oscillators with 32.768 KHz

HA Group

Features:

1. SMD Clock oscillators, 32.768 KHz with very low current consumption.
2. Available Frequency Range: 10 KHz to 100 KHz
3. Available Supply Voltage: +1.8V, +2.5V and +3.3V
4. Output Wave form: CMOS, square wave
5. Current Consumption (typical)
   35 µA @ 3.3V, 32.768 KHz
6. Available Package Size (mm):
   7.0x5.0x1.4(H), 5.0x3.2x1.2 (H), 3.2x2.5x1.0 (H)
7. AT-cut crystals with good temperature stability,
   ± 15 ppm/-10+70C and ± 25 ppm/-40+85C are available.



Ultra Miniature VCXO (SMD 3.2x2.5 mm)

G324 / G326 Group

Features:

1. Voltage Control Crystal Oscillators (VCXO) in SMD 3.2x2.5x1.0 (H) mm with both 4 pads and 6 pads.
2. Output type: CMOS, square wave
3. Available Supply Voltage: +1.8V,+2.5V, +3.3V and +5.0V
4. Voltage Control: ±100 ppm min. and ± 150 ppm min.
5. Very Low Current Consumption: 2.5 mA typ.
   (+3.3V, 27.000 MHz).
6. Excellent Phase Noise (typ.): (3.3V, 27 MHz)
   -115 dBc/Hz @ 100 Hz, -138 dBc/Hz @ 1 KHz,
   -152 dBc/Hz @ 10 KHz, -154 dBc/Hz @ 100 KHz
7. RMS Jitter: 200 fsec typ. (12 KHz to 20 MHz)