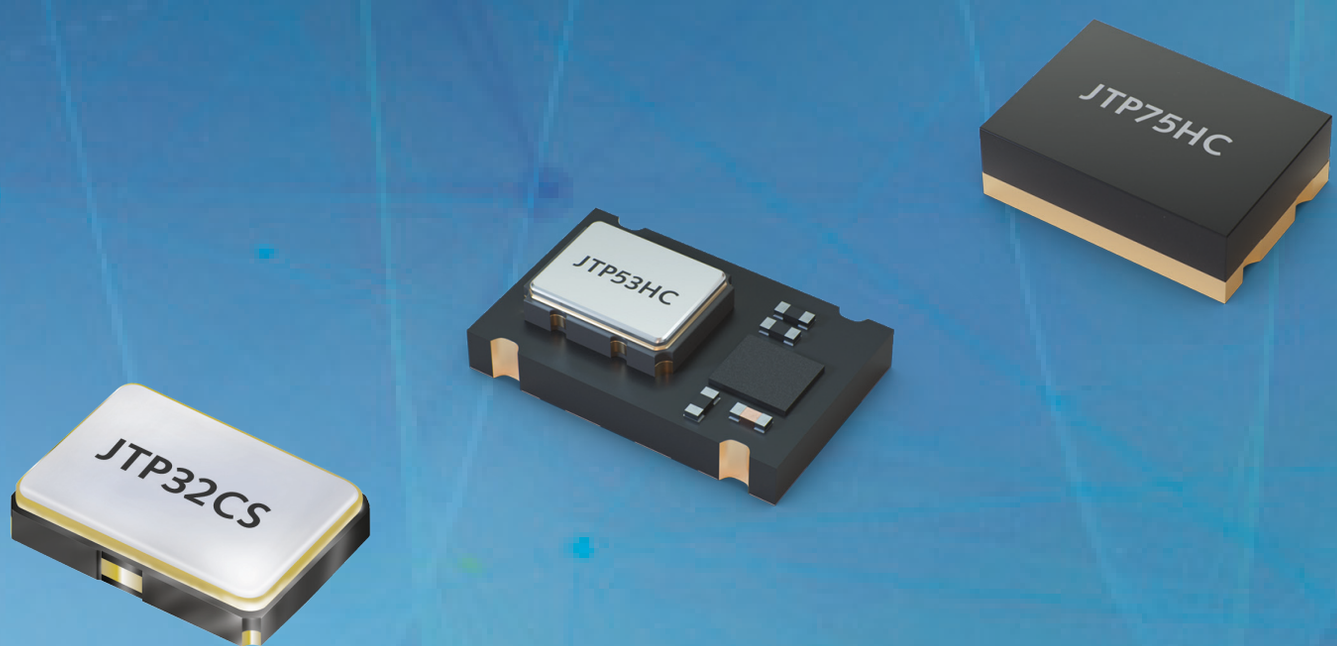
Jauch®
THE PULSE OF PROGRESS

NEW: Precision (VC)TCXOs

Ultra-tight frequency stability

Wide operating temperature range



› JTP75HC(V)
› JTP53HC(V)
› JTP32CS(V)

NEW: Precision (VC)TCXOs

Ultra-tight frequency stability and wide operating temperature range

The rapid growth of 5G applications over the next five to ten years will mean that tighter stability frequency products which can operate over wider operating temperature ranges will be required. Jauch's new range of Precision and Stratum 3 Temperature Compensated Crystal Oscillators (TCXOs) and the Voltage Controlled option (VCTCXO) are the first step to support our customers in these markets.

The (VC)TCXOs are available in standard packages 7.0 x 5.0, 5.0 x 3.2 & 3.2 x 2.5 mm. The new products convince with an ultra-tight frequency stability of ±50 ppb and a wide operating temperature range of -40 to +105 °C.

The JTP75HC(V) and JTP53HC(V) have an HCMOS output with a 3.3 V current supply and a maximum current consumption of 10 mA. The JTP32CS(V) has a clipped sinewave output and is available in a range of voltages from 1.8 to 3.3 V and a maximum current consumption of 3 mA.

The new Precision (VC)TCXOs, and the Stratum 3 versions, are ideal for applications involved with 5G, Critical Internet of Things (IoT), Industrial Automation and Synchronised Ethernet (Sync-E).

KEY FEATURES	JTP75HC & JTP53HC	JTP32CS
Packages [mm]	7050 (7.0 x 5.0 x 2.2) 5030 (5.0 x 3.2 x 1.7)	3225 (3.2 x 2.5 x 0.9)
Frequency Range [MHz]	9.6 - 50.0	9.6 - 50.0
Supply Voltages [V]	3.3 V (all ±5 %)	1.8V / 2.5V / 2.8V / 3.0V / 3.3V (all ± 5%)
Best stability and temperature range	± 50 ppb (-40 °C ~ +105 °C)	±280 ppb (-40 °C ~ +85 °C)
Output	HCMOS	Clipped Sinewave
Flexible frequency tuning option, refer to version	JTP75HCV and JTP53HCV	JTP32CSV
Application	5G Front, Mid & Backhaul ; Critical IoT ; Gigabit Ethernet ; GNSS/GPS ; Point to Point Comms ; Optical Networking ; Remote Radio Heads/Units ; Small Cells (Pico, Femto, Micro, Macro) ; Test & Measurement ; Wi-Max/WLAN	
For **Stratum 3** versions please refer to JTS75HC(V), JTS53HC(V), JTS32HC(V)		

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