

JT21/22/32 CT Series HCMOS TCXOs

Jauch Quartz's JT21, JT22, and JT32 (2016, 2520, and 3225) CT series TCXOs are ideally suited to wireless applications



[Jauch Quartz's](#) JT21, JT22, and JT32 CT series Temperature-Compensated Crystal Oscillators (TCXOs) are ideally suited to wireless applications and various other applications in the telecommunications, industrial, and consumer sectors. Due to frequency stability down to ± 2.0 ppm, the JT21, JT22, and JT32 CT series fulfill very high requirements and are designed for Zigbee®, Bluetooth®, and other wireless applications. This series is particularly suitable for miniaturized electronic devices with very limited space on the PCB. These TCXOs provide an HCMOS output and are available in housing sizes 2016, 2520, and 3225.

The temperature-compensated quartz crystal oscillators are 100% lead-free and RoHS and REACH compliant.

Features

- Frequency range: 10.0 MHz to 52.0 MHz
- Metric housing sizes: 2016, 2520, and 3225
- Operating temperature range: -40°C to $+85^{\circ}\text{C}$ / -40°C to $+105^{\circ}\text{C}$
- Frequency stability: ± 2.0 ppm to ± 10 ppm
- Supply voltage: $1.8 V_{\text{DC}}$, $2.5 V_{\text{DC}}$, $2.8 V_{\text{DC}}$, $3.0 V_{\text{DC}}$, and $3.3 V_{\text{DC}}$ ($\pm 5\%$)

- Lower standby current: 10 μA (max.)
- Rail-to-rail output HCMOS-compatible
- 100% lead-free, RoHS, and REACH compliant
- Excellent phase noise: standby function, low standby current

Applications

- IoT
- Bluetooth LE
- Zigbee

- ISM
- IEEE 802

Specialists for frequency Technology


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	Image	Manufacturer Part Number	Description	Function
		O 38,40 JT32CT-A-K-3,3-LF	OSC TCXO 38.4MHZ 3.3V HCMOS SMD	Standby (Power Down)
		O 50,0-JT32CT-A-K-3,3-LF	OSC TCXO 50MHZ 3.3V HCMOS SMD	Standby (Power Down)
		O 39,0-JT32CT-A-K-3,3-LF	OSC TCXO 39MHZ 3.3V HCMOS SMD	Standby (Power Down)
		O 25,0-JT22CT-A-K-3,3-LF	OSC TCXO 25MHZ 3.3V HCMOS SMD	Standby (Power Down)
		O 40,0-JT22CT-A-K-3,3-LF	OSC TCXO 40MHZ 3.3V HCMOS SMD	Standby (Power Down)
		O 13,10720-JT32CT-A-K-3,3-LF	OSC TCXO 13.10720MHZ 3.3V HCMOS	Standby (Power Down)
		O 19,20-JT32CT-A-K-3,3-LF	OSC TCXO 19.2MHZ 3.3V HCMOS SMD	Standby (Power Down)
		O 38,40-JT22CT-A-K-3,3-LF	OSC TCXO 38.4MHZ 3.3V HCMOS SMD	Standby (Power Down)
		O 40,0-JT32CT-A-K-3,3-LF	OSC TCXO 40MHZ 3.3V HCMOS SMD	Standby (Power Down)
		O 12,0-JT32CT-A-K-3,3-LF	OSC TCXO 12MHZ 3.3V HCMOS SMD	Standby (Power Down)
		O 39,0-JT21CT-A-K-3,3-LF	OSC TCXO 39MHZ 3.3V HCMOS SMD	Standby (Power Down)
		O 25,0-JT21CT-A-K-3,3-LF	OSC TCXO 25MHZ 3.3V HCMOS SMD	Standby (Power Down)