

**PROTEK –  
PLR0506LC**



**Ultra low capacitance steering Diode / TVS Array**  
The PLR0506LC is an ultra low capacitance steering diode/TVS array. This device is designed to protect high-speed data ports such as USB3.1-Type C, HDMI1.4 and HDMI2.0 against ESD and surge transient voltage events. The PLR0506LC offers integral protection for 6 rail-to-rail data lines, making the devices the best solution within minimal board space.

**Applications:**

- Gigabit Ethernet
- HDMI1.4 and HDMI 2.0
- USB3.1 - Type C
- High-speed Data Line ESD Protection
- FireWire, SATA, PCIe Interface

**Features:**

- Compatible with IEC 61000-4-2 (ESD): Air ±15kV, Contact ±8kV
- Compatible with IEC 61000-4-4 (EFT): 40A - 5/50ns
- Compatible with IEC 61000-4-5 (Lightning): 4A - 8/20µs
- ESD Protection > 25 kilovolts
- Low Clamping Voltage 22V @ 4A
- Protects 6 Lines
- Ultra Low Capacitance : 0.25pF Typical(I/O to I/O)

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Please contact us for inquiries, samples or technical requests.

**GEYER –  
TCXO KXO-88**



**Small TCXO**  
The new KXO-88 package, with dimensions of only 1.6 | 1.2 | 0.6 mm, is ideal for use in applications with low power consumption. The KXO-88 is especially suitable for all kinds of mobile communication applications like W-Lan, ISM, NFT, wireless modules for Smart Cities, GNSS, GPS and Wearables.

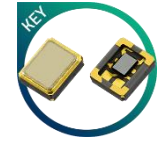
**Applications:**

- Frequency MHz: 26 ~ 52.0
- Initial frequency tolerance ppm: ±1.5 max.
- Operating temperature range °C: -30 ~ +8
- Frequency stability temperature range ppm: ±0.5
- Input voltage change VDD: ±0.2 ±5% DC max.
- Output load change ppm: ±0.2 max.
- Aging / year ppm: ±1.0 max.
- Storage temperature °C: -40° ~ +85
- Supply voltage V: -0.3 ~ 6.0
- Input voltage V DC: +1.8, +3.3 ±5%
- Input current mA: 1.5 max.
- Output: clipped sine wave

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Please contact us for inquiries, samples or technical requests.

**GOLLEDGE –  
GTXO-205**



**1.8V ~ 3.3V Tight Stability High / Temperature TCXO**  
The GTXO-205T features superb frequency stability of ±0.5ppm over extended temperature range and has ultra-miniature 2.0 x 1.6mm package. The GTXO-205V also features excellent frequency pullability. Find out more about these new temperature compensated oscillators here.

**Applications:**

- Wide operating temperature range -40 to +105°C
- Excellent frequency stability ±0.5ppm
- Low power consumption
- Low phase noise
- Ultra miniature low profile SM package

**Features:**

- Frequency range: 16.0 ~ 52.0MHz
- Dimensions: 2.0 x 1.6 x 0.8mm
- Storage temperature range: -40 to +105°C
- Supply voltage stability: ±0.2ppm, VDD ±5%
- Load stability: ±0.2ppm, ZL ±10%
- Supply voltage (VDD): Operable from 1.8V ~ 3.3V ±5%
- Supply current: 1.5mA max (≤26.0MHz) / 2.0mA max (>26.0MHz - 32.0MHz) / 2.5mA max (>32.0MHz - 52.0MHz)
- Frequency tolerance @ 25°C: ±2.0ppm max, 60mins after reflow

[REQUEST DATASHEET PER E-MAIL: GTXO-205](#)

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