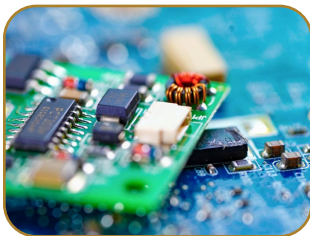


POWER INDUCTORS

HIGH CURRENT PERFORMANCE. ULTRA-MINIATURE, RUGGED DESIGN.

Pico Electronics Power Inductors are built to smoothly transmit direct current across varies DC-DC converters and switching regulators. They can provide **low core losses** and are used to store energy, which the electromotive force can filter out frequency noise and reduce signal loss. Energy storage can also allow higher power consumption in system designs. These Power Inductors are ideal for filtering out **noise and ripple spikes** in many applications. We have a diverse portfolio of Power Inductors ranging in mechanical size, mounting options, current rating, and inductance rating.

Power Supply Modules



Power management, voltage regulation, and EMI suppression are all factors to consider these Power Inductors for satellite and defense applications. They are made for **thermal resilience, sensitive payloads, high-current handling**, and **intense mechanical stress**. These are fully encapsulated with potting compound to resist shock, impact, chemical, and even moisture. They are state-of-the-art components for defense and space grade. Unlike conventional Power Inductors, Pico's Power Inductors offer dual connectivity options to step down the inductance or step up the current ratings.

Radar & Communication Systems



Ultra-miniature in size, high-frequency, and custom tailored, these Power Inductors are masterfully designed to fit in compact spaces while operating at optimal capabilities. They ensure clear data transmission with **reduced error bits, high-resolution radar detection, smooth pulse generation**, and **magnetically shielded** (depending on the Pico series) against surrounding noise or signal interference. Power Inductors are essential against extreme temperatures and vibration, especially for airborne, shipboard, and ground-based applications.

PICO

Power Inductors Series Listing >

- Mounting in surface mount & through hole options—axial leads or plug-ins
- Device direct current rating: 0.01A to 28.4A
- Self-resonant frequency up to 24.7 MHz
- Size as small as 0.4" x 0.4" (L x W) to largest 2.15" plug-in diameter
- Maximum inductance for single, or dual windings in series connection is 2 μ H to 20 mH



Series 40000 to 45000 >
10 μ H to 20mH & up to 3.88 ADC



Series 72000 - Axial Leads >
15 μ H to 100mH & up to 10 ADC



Series 69000 - Shielded >
25 μ H to 10mH & up to 20 ADC



Series 73000 - Low Profile SMDs >
5 μ H to 5mH & up to 28.4 ADC

Contact Us

Need a power inductor solution that doesn't compromise on size or reliability? Visit our website or contact our team of engineering experts today to discuss your project requirements.

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