

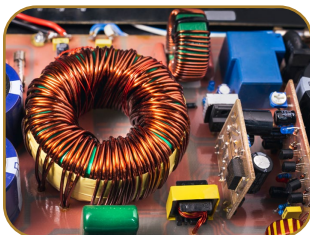


Electronics, Inc.

# COMMON MODE CHOKES

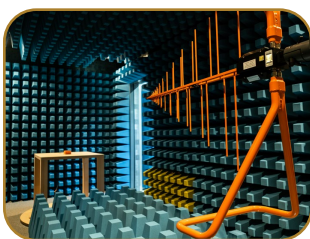
**SUPERIOR NOISE SUPPRESSION. ULTRA-MINIATURE RELIABILITY.**

Pico Electronics Common Mode Chokes are highly effective in **suppressing electromagnetic interference** and **radio frequency interference**, where high-frequency noises are blocked to allow DC and low-frequency AC signals to pass through. These noise suppression devices can be offered in **common mode** or **differential mode** operations. They are extremely reliable in the performance of electronic systems where security of data and information are crucial, as well as mechanically durable to the integrity of mission systems.



## Switching Power Supplies

Common Mode Chokes can **prevent switching noise** being conducted back to main power line, as well as protecting surrounding equipment on the same line. These are typically placed near the circuit's input to **block out the source of noise** to the load. The fundamental goal of these Common Mode Chokes is to **reduce EMI** that would, otherwise, damage circuit components in compact systems for the military or aerospace.



## Communication Interfaces

Wide frequency noise attenuation for accurate EMI suppression, Common Mode Chokes are commonly used for military vehicles, satellites, and any flight systems. They ensure noise filtering for cockpit interfaces and digital avionics that involve communication between network buses. At the same time, these Common Mode Chokes guarantee reliable **signal transmissions** for applications such as **RF** and **satellites**.

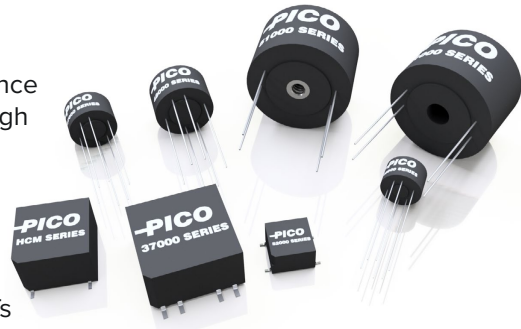


## Sensors and Radars

With high-reliability, extreme + wide temperature technology, and effective noise suppression, Pico Common Mode Chokes are not typical commercial open-ended parts. These are built and sealed for the **harshest environment** imaginable in any application. For **sensitive automotive electronic modules**, these parts are designed to last in filtering noise and signal reliant in **controlled area network (CAN) receivers**.

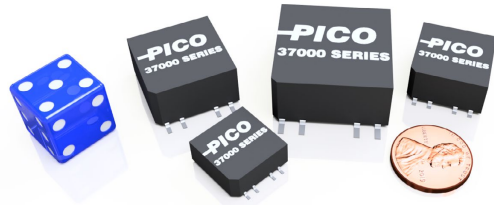
## Common Mode Chokes Series Listing >

- Capable of eliminating electromagnetic and noise interference generated by switching operations of power supplies through semiconductors (rectifiers, MOSFETs, etc.)
- Device RMS current rating: 0.01A to 30A
- Winding options are dual, or 3-phase windings
- Inductance per winding: 25  $\mu$ H to 20 mH
- Mounting in surface mount, or through-hole
- Size as small as 0.4" x 0.4" (L x W) to largest 1.13" x 1.13" SMTs



## Series 37000 - 3 Phase Windings >

100 $\mu$ H to 1.5mH & up to 8A



## Series 46000 to 52000 >

50 $\mu$ H to 20mH & up to 9.9A



## Series HCM - High Current Chokes >

25 $\mu$ H to 400 $\mu$ H & up to 30A



## Contact Us

Need a common mode choke 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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Certified to  
AS9100D  
ISO 9001:2015

