PICO
Electronics, Inc.

PULSE TRANSFORMERS

## PRECISE PULSE INTEGRITY. RUGGED, ULTRA-MINIATURE RELIABILITY.

Pico Electronics Pulse Transformers are specialized transformers designed to transmit electrical pulses—**short-duration**, **high-voltage signals**—with precise waveform integrity and electrical isolation. They are engineered to handle fast rise times, high peak voltages, and **wide frequency bandwidths**, making them essential components in systems that demand accuracy, reliability, and noise immunity.

Secure Communications

Pulse Transformers allow various switching frequency and ON/OFF timing, which can provide robustness to pulse transmissions, especially for **military or aerospace systems**. These Pulse Transformers are designed to prevent ground loops or minimizing leakage paths by allowing electrical isolation between signals. Furthermore, these parts improve **noise immunity** while reducing signal interception.

Precision Guiding Systems
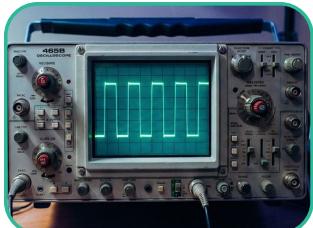
Offering safety isolation to trigger circuits, these Pulse Transformers can deliver precise pulse energy to an actuator. At the same time, they ensure **clean signals** for jamming or countermeasures. Fast pulses are critical for **timing distribution** in a network system. Mechanically, these transformers are encapsulated with potting compound to handle temperature extremes and radiation.

PICO

Pulse Transformers Series Listing >

- ET Constant from 10 to 150V-µs
- Minimum leakage inductance at 0.1µH
- Available in plug-in or surface mount
- Split secondary or output windings
- Turns ratio from 1:1:1 to 4:2:1
- Size as small as 0.45" x 0.45"

Through Hole >

3

Size 1 >   Size 2 >   Size 3 >

Surface Mount >

PICO
75000 SERIES

PICO
75000 SERIES

PICO
75000 SERIES

1

Size 1 >   Size 2 >   Size 3 >

0

0   1   2   3   4   5   6   7   8
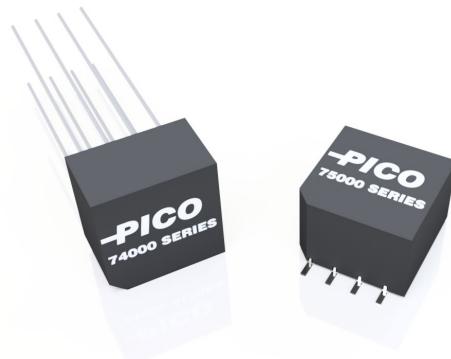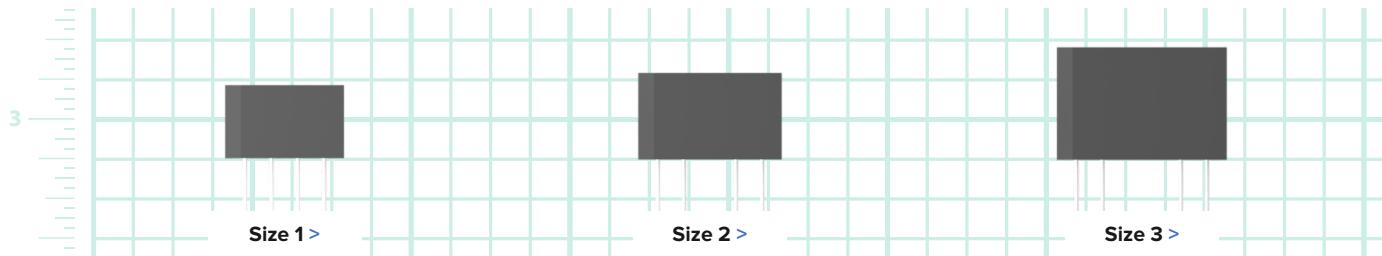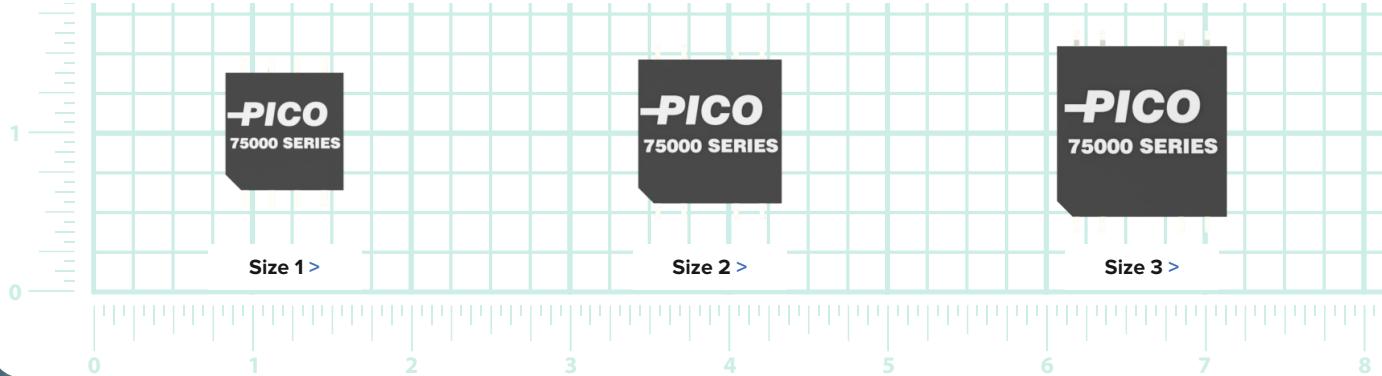
Contact Us

Need a pulse transformer 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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