



Moving Coil Step Up Transformers



The EMIA moving coil cartridge step up transformers are designed to raise the low voltage output of moving coil phonograph cartridges up to the output level of a typical moving magnet cartridge.

The transformers are wound on massive EI75 Permalloy (80% Nickel) cores and encased in a shielded enclosure using mu-metal, copper, and steel. They can be wound in either copper or silver.

Two loading inputs are provided to allow for near infinite loading ability. The subject of loading both cartridges and transformers is complex. A primer on this subject is [here](#). A properly designed cartridge combined with the correctly matched transformer should not need loading at all. The elimination of the loading resistor results in more gain and improved signal preservation.

EMIA moving coil transformers are also wound to match the impedance and output level of your cartridge. All transformers are bandwidth limited devices. Each transformer's characteristics are modified in order to center the available bandwidth on the audio band.

Specifications

Single-ended

Permalloy (80% Nickel) cores

Brass channel frames

Self resonance > 100kHz

Available in copper or silver

Winding ratio: _____

Cartridge impedance [range]: _____

Chassis

5.5" x 5.5" x 4.5" [14 cm x 14 cm x 11.5 cm]

Shipping weight - 11 lbs. [5 kg]