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**For Immediate Release**

Wednesday, January 18, 2017

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**Benefits of using C-Core vs EI Core Magnetics:**

- C-Core has less stray flux/magnetic field.
  - Great solution for audio/amplifier applications.
  - Minimize impact of transformer to surrounding components.
  - EI will require one or more of the following to minimize stray flux:
    - "Flux band" outside each winding.
    - Iron strap welded outside perimeter of core.
    - Potting into ferrous metal can.
- C-core's weigh less than EI due to rounded edges.
- C-core fully utilizes grain orientation of steel (EI core typically uses 60%-80%).
- Better utilization of steel means greater magnetic efficiency of C-Core.
- C-core is typically higher priced than traditional EI due to less flexibility to adjust core size of C-core. Industry is limited on core size availability.
  
- Sources:
  - [www.jandkaudiodesign.blogspot.com](http://www.jandkaudiodesign.blogspot.com)
  - <http://www.head-fi.org/t/616494/whats-the-different-between-transformer-types>

To request product literature please visit us at [www.ensigncorp.com](http://www.ensigncorp.com) or call us at 630-628-9999.

**Ensign Corporation** has been producing quality custom and pre-designed transformers for over 30 years. Our Quality Policy is simple, and effective:

- A) Compliance to Requirements.
- B) Continual Improvement.
- C) Personal Pride in our Work.

Feel free to take advantage of our pre-designed models, or let us customize a transformer to your particular needs. Either way, you've come to the right place.