



Application Alley

PARTNER | SOLVE | DELIVER

Planar Transformers Automotive, eCar, SX58

“Reducing Height: A Tall Order For Standex-Meder”



Custom
Engineered
Solutions for
Tomorrow

Transforming the ability to modernize capacity and reduce costs in electric vehicles

An automotive manufacturer approached Standex-Meder with the challenge to provide a reduction in height of 50% from a traditional wire wound transformer, and create a custom solution that met their specifications. All this, while maintaining their footprint.

Standex-Meder Customer, major automotive company

“ We presented Standex-Meder with a big challenge to keep our footprint, but also customize a solution for our transformer needs. They took genuine interest in our project, and delivered a high-performing planar transformer. ”

Our customer wanted to maintain the use of the current footprint, but needed something that allowed for a higher energy density. The answer our Engineering Team arrived at included a planar transformer customized to fit their manufacturing and functional needs.

We strategically partnered with their team to discover more in depth requirements and details around their operational and application needs. Through the various reviews, modifications, rigorous testing, and extensive measuring we looked at such things as:

- Mechanical dimensions (length, width, height, other)
- DCR primary resistance and secondary side
- Inductance, both primary and secondary
- Leakage Inductance and Capacitance verification

- Hi-POT test (high voltage)



Standex-Meder arrived at a high-performing reliable part for their electric vehicle needs, the SX58-12-240-12-RS, planar transformer.

What we delivered to our customer included:

- Their footprint was maintained
- A customized part with improved capacity to deliver without intruding upon space
- Cost savings
- Huge reduction in height required by a customer

Component Corner (Expert Insights)
Will Schellin
Standex-Meder Engineer

“ Our planar transformers are able to save space, time, and cost. We can custom engineer a part to operate faster, more efficiently, and that adheres to the most stringent of requirements. ”

All this was achieved by working with our team, and our willingness to assess a customer's need and expedite customer driven custom design. Give us an email at hello@standexelectronics.com today to work together to provide a solution for your challenges!

About Standex-Meder Electronics

Standex-Meder Electronics is a worldwide market leader in the design, development and manufacture of standard and custom electro-magnetic components, including magnetics products and reed switch-based solutions.

Our magnetic offerings include planar, Rogowski, current, and low- and high-frequency transformers and inductors. Our reed switch-based solutions include Meder, Standex and OKI brand reed switches, as well as a complete portfolio of reed relays, and a comprehensive array of fluid level, proximity, motion, water flow, HVAC condensate, hydraulic pressure differential, capacitive, conductive and inductive sensors.

We offer engineered product solutions for a broad spectrum of product applications in the automotive, medical, test and measurement, military and aerospace, as well as appliance and general industrial markets.

Standex-Meder Electronics has a commitment to absolute customer satisfaction and customer-driven innovation, with a global organization that offers sales support, engineering capabilities, and technical resources worldwide.

Headquartered in Cincinnati, Ohio, USA, Standex-Meder Electronics has eight manufacturing facilities in six countries, located in the United States, Germany, China, Mexico, the United Kingdom, and Canada.

For more information on Standex-Meder Electronics, please visit us on the web at www.standexmeder.com.

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