



Bourns Releases AEC-Q200 Compliant 2.25 Watt Flyback Transformer

Model BA60951CS

Riverside, California – TO BE RELEASED OCTOBER 18, 2022 – Bourns Custom Magnetics Product Line is introducing its Model BA60951CS Low Profile Flyback Transformer. This transformer is automotive grade, AEC-Q200 compliant and manufactured on a fully automated production line.

The Model BA60951CS transformer is designed with a minimum 8 mm creepage distance for an 800 V working voltage which is ideal for new electric vehicle (EV) applications that require high isolation voltage. The low profile SMT package (2.9 mm x 2.4 mm x 1.1 mm) offers a small footprint for this large working voltage. Typical automotive applications include powering Battery Management Systems and isolated power across separate voltage systems in hybrid vehicles.

Bourns® Model BA60951CS is designed for a switching frequency of 250 kHz and provides an output power of 2.25 watts. This transformer can be used with many flyback controller ICs and can be customized for other output voltages and applications.

Model BA60951CS Flyback Transformer Characteristics:

Model	Output Power	Primary Inductance @ 250 kHz / 0.1 V	Creepage Distance	Rated Working Voltage	Operating Temperature
BA60951CS	2.25 Watts	25 μ H	8 mm Min.	800 Volts	-40 to +155 °C

The product data sheet with detailed specifications can be viewed on the Bourns website at www.bourns.com/products/magnetic-products/transformers-power. Should you have any questions, please feel free to contact Bourns Customer Service / Inside Sales.

Features

- Isolated flyback transformer
- Designed for isolated power supplies operating at 120 kHz
- Working voltage: 800 V
- Basic insulation
- 2.25 watts of output power
- RoHS compliant*
- AEC-Q200 compliant



Applications

- Electric vehicles requiring high isolation voltage
- Battery Management Systems
- Flyback controller ICs

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.