

Molded Core - Power Inductors or Bus Bars for Automotive and Industrial Applications

Chokes and Bus Bar Solutions by Chang Sung Corporation (CSC) are built for with reproduceable quality and performance for different markets like Automotive or Industrial applications. CSC is experienced in designing, simulating, manufacturing, and testing Chokes or Bus Bar solutions to serve AC and DC power electronics applications. Customers use Wide Band Gap (SiC, GaN) and Silicon (IGBT, Thyristors) technologies for power conversion and battery-related applications. CSC support customers to optimize their performance. CSC offers evaluation of the thermal and electrical performance of the chokes and bus bars for customized designs. CSC forms a coil or bar, put it into a case and with the ability to mold the core independent of the shape, a finished reproduceable inductor is made. CSC is using innovative materials with a special structure.

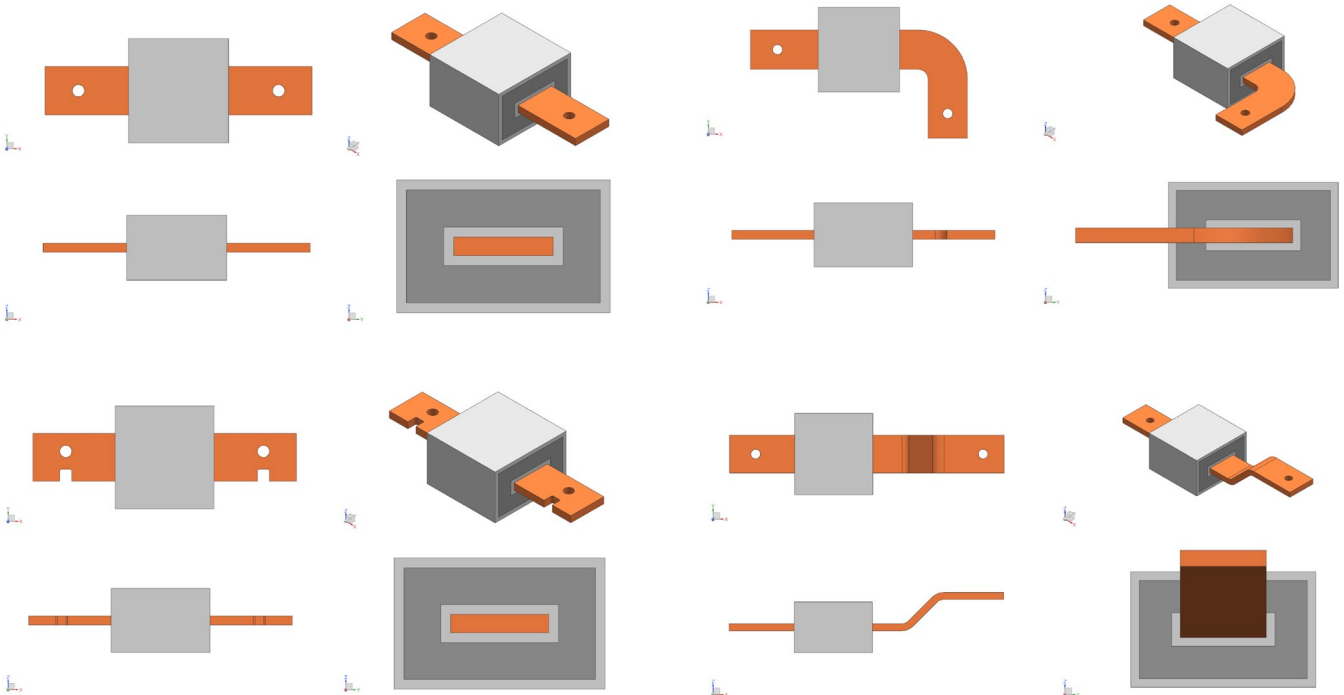
Result is a finished Choke or Bus Bar.

Product advantages are a high impact resistance, a high efficiency, smaller size, reproduceability and a high thermal performance. The molded core material is AEC-Q200 qualified.

No limit in shape and size, simple Process

- 1: Prepare Coil or Bar
- 2: Insert the Coil or Bar into the Case
- 3: Do the Injection of Magnetic Paste
- 4: Special Heat Process

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Magnetic Paste: Busbar Filter Design in different Shapes