

Get High Efficiency and Low Core Loss Inductor Solutions in Three Compact Package Sizes

Cooper Bussmann® Coiltronics® High Current Power Inductors Provide Optimum Performance and Efficiency in Real Estate-saving Sizes.

- **Expanded Size Options Offer More Selection**

- HCM0703-R-Powder Iron (7.4x7.0x3.0mm)
- HCF1007-R-Ferrite (10.3x8.1x6.65mm)
- HCF1305-R Ferrite (12.5x12.5x5.0mm)



- **Pack More Power in Smaller Spaces with Greater Efficiency**

The HCM0703, HCF1007 and HCF1305 exhibit high current carrying capacity and low core losses optimizing power density performance. The utilization of flat wire technology reduces the DCR resulting in improved efficiency.



- **More Applications**

The HCM0703, HCF1007 and HCF1305 are designed for a wide range of applications such as Point-of-Load modules (POL), multi-phase regulators, Voltage Regulator Modules (VRM), desktop-notebook and netbook regulators, graphics cards and battery power systems.

- **Environmentally Friendly**

Halogen free*, lead free and RoHS compliant, these inductors pose minimal impact on the environment or EOL issues.

- **Free Design Kit**

Find out for yourself how good these inductors are. Design kits with selected ratings from all three high current inductor series are available to qualified engineers. Go to www.cooperbussmann.com/request/index.cfm and order part number DK01-18694-R.



*Halogen free does not apply to HCF1305.

Specifications

Inductor Series	Core Material	Size (mm)	Inductance (µH)	Current (Amps)	Max Operating Temperature
HCM0703	Powder Iron	7.4 x 7.0 x 3.0	0.15-10.0	3.3-52	125°C
HCF1007	Ferrite	10.3 x 8.1 x 6.65	0.30-10.0	5.3-48	125°C
HCF1305	Ferrite	12.5 x 12.5 x 5.0	0.47-4.7	10.4-36.0	125°C



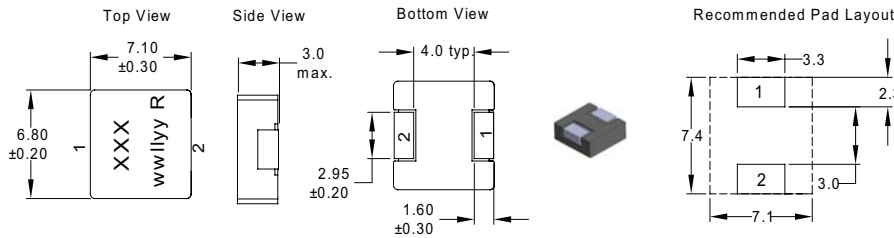
*Does not apply to HCF1305

For more details, see Data Sheets:

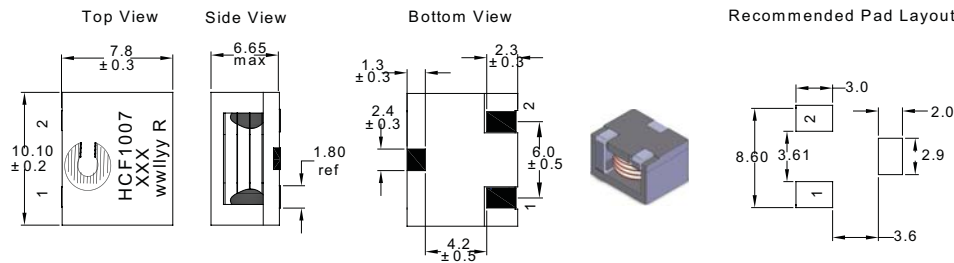
- HCM0703 #4085
- HCF1007 #4361
- HCF1305 #HCF1305

Dimensions - mm

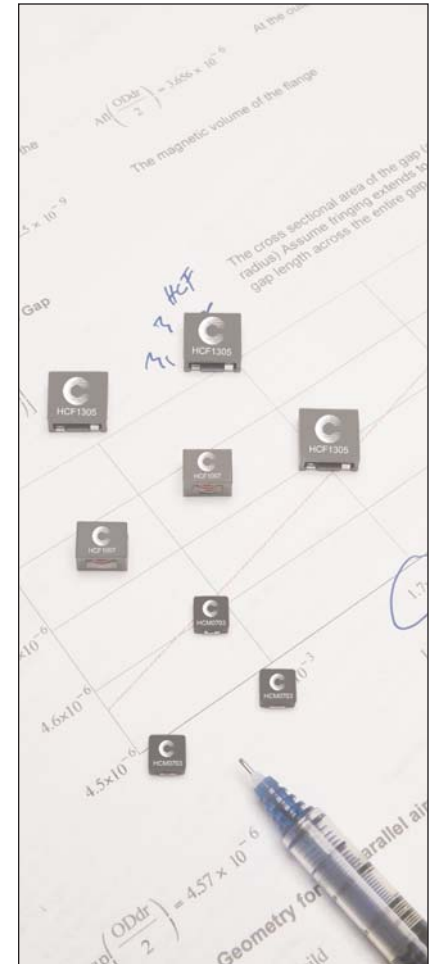
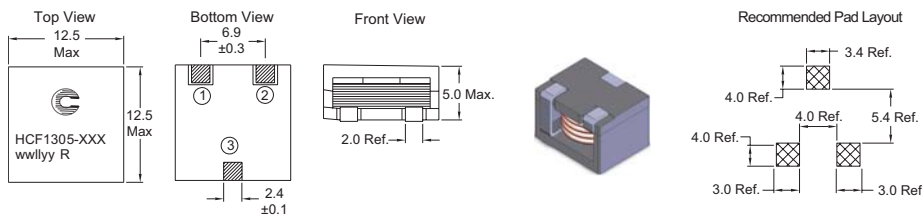
HCM0703



HCF1007



HCF1305



Technical Application Assistance

Contact our applications engineers with your technical questions:

- E-mail InductorTech@cooperindustries.com

Online Resources

Visit www.cooperbussmann.com/elx for:

- Application Notes
- Data Sheets
- Ordering Product Samples



Find your inductor fast and easy.

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