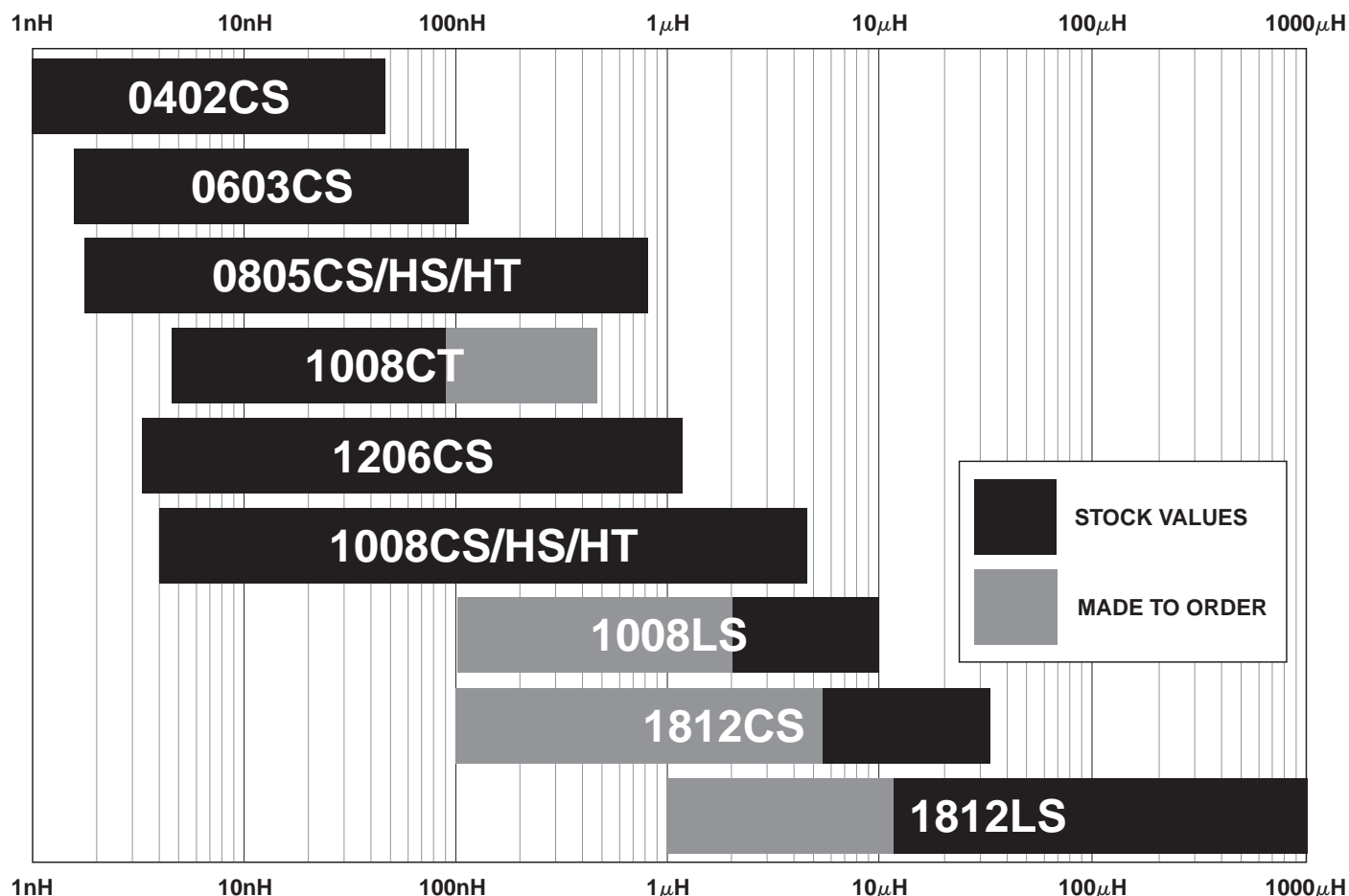


Chip Inductor Selection Guide



Use this chart to determine which Coilcraft chip inductor family provides the value you need. Follow these tips to select the best overall combination of low cost, close tolerance and high self resonance.

Try 0603CS, 0805CS, 1008CS or 1812CS first

These offer the best overall combination of low cost, close tolerance, and high self resonant frequency.

High frequency applications

Any of our series ending in CS, CT, HQ, HS, or HT use a ceramic core. They have the highest self resonant frequencies in the industry. And they're free from the batch-to-batch variations

in inductance, SRF and Q that are typical of ferrite inductors.

Close tolerance applications

Because of their ceramic coil-forms, we are able to produce 0805CS, 1008CS, and 1206CS inductors to 1% or 2% tolerance very economically. This can often eliminate the need for variable components in tuned circuits and oscillators.

Small footprint/low profile

For maximum space saving try our 0402CS or 0603CS series, our smallest wirewound inductors. Or if you need a low profile part, use our 0805HT parts which measure only .035"/0,89 high.

Highest possible Q

All our ceramic chip inductors provide exceptionally high Q. Among our ceramic chip inductors, the 0805HQ and 1008HQ Series offer the highest Q factors. For even higher ratings, consider our air wound "Springs". These give you all the convenience of a surface mount part, plus Q values of 200 at 1.8 GHz and inductance tolerance as low as 2%!

Custom values

We also welcome the opportunity to provide parts tailored to your needs. For technical assistance, call +1-847-639-6400 (U.S.) or +44-1236-730595 (U.K.).

Coilcraft

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