# AEC-Q200 High Current Inductors

## Key
1. Find your required inductance in the far left column.
2. Scan the row until you find the desired current rating (bold number); parts from there to the right meet your requirement.
3. Read up to see the Coilcraft product series and dimensions.

<table>
<thead>
<tr>
<th>Base (mm)</th>
<th>Height (mm)</th>
<th>Inductance</th>
<th>Isat (D)</th>
<th>DCR (Ohms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.9 x 6.1</td>
<td>5.0 - 5.1</td>
<td>0.064 µH</td>
<td>0.065</td>
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</table>

For free evaluation samples or more information, visit www.coilcraft.com or call 800-322-2645

Specifications subject to change without notice. Document 373A-1 Revised 05/10/18
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<table>
<thead>
<tr>
<th>Inductance</th>
<th>XEL5030 Shielded</th>
<th>XEL5020 Shielded</th>
<th>XEL0800 Shielded</th>
<th>XEL1000 Shielded</th>
<th>XLT0300 Shielded</th>
<th>XLT0400 Shielded</th>
<th>XEL0600 Shielded</th>
<th>XEL0500 Shielded</th>
<th>XLT1000 Shielded</th>
<th>SER1092 Shielded</th>
<th>XEL00xx Shielded</th>
<th>SER1300 Shielded</th>
<th>SLC1175 Shielded</th>
<th>MVRT Shielded</th>
<th>XAL1030 Shielded</th>
<th>XAL1060 Shielded</th>
<th>DO5040HSER1590 Shielded</th>
<th>XAL7030 Shielded</th>
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<table>
<thead>
<tr>
<th>Base (mm)</th>
<th>+85°C</th>
<th>+125°C</th>
<th>+85°C</th>
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<tbody>
<tr>
<td>Height</td>
<td>16.3 × 15.8</td>
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<td>14.0 × 12.2</td>
<td>7.5 × 7.2</td>
<td>11.3 × 10.0</td>
<td>15.2 × 9.0</td>
<td>13.5 × 13.5</td>
<td>19.2 × 18.7</td>
<td>19.2 × 18.7</td>
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### Key
- Isat (A)
- DCR (Ohms)

### Specifications
- **Base (mm):**
  - XAL1350 Shielded: 14.2 x 13.2
  - SER2011 Shielded: 19.2 x 18.7
  - SER2012 Shielded: 19.2 x 18.7
  - SER2013 Shielded: 19.2 x 18.7
  - XAL15xx Shielded: 19.2 x 19.2
  - SER2014 Shielded: 20.1 x 19.6
  - SER2915L Shielded: 27.9 x 27.9
  - SER2915H Shielded: 27.9 x 27.9
  - SER2918H Shielded: 27.9 x 27.9
  - AGP2923 Shielded: 26.9 x 17.0
  - AGP2933 Shielded: 42.2 x 35.8

### DCR (Ohms)
- **0.050 µH:**
  - 0.05 Ohms
- **0.060 µH:**
  - 0.06 Ohms
- **0.072 µH:**
  - 0.072 Ohms
- **0.10 µH:**
  - 0.10 Ohms
- **0.12 µH:**
  - 0.12 Ohms
- **0.15 µH:**
  - 0.15 Ohms
- **0.19 µH:**
  - 0.19 Ohms
- **0.27 µH:**
  - 0.27 Ohms
- **0.35 µH:**
  - 0.35 Ohms
- **0.40 µH:**
  - 0.40 Ohms
  - 111 Ohms
  - 0.50 Ohms
- **0.47 µH:**
  - 0.47 Ohms
  - 100 Ohms
  - 1.2 Ohms
- **0.55 µH:**
  - 0.55 Ohms
  - 90 Ohms
  - 1.2 Ohms
  - 97 Ohms
  - 1.44 Ohms
- **0.67 µH:**
  - 0.67 Ohms
  - 74 Ohms
  - 1.50 Ohms
  - 78 Ohms
  - 1.2 Ohms
  - 85 Ohms
  - 1.44 Ohms
  - 98 Ohms
  - 1.7 Ohms
- **0.78 µH:**
  - 0.78 Ohms
  - 70 Ohms
  - 1.2 Ohms
  - 75 Ohms
  - 1.44 Ohms
  - 85 Ohms
  - 1.7 Ohms
  - 86.0 Ohms
  - 0.72 Ohms
  - 98 Ohms
  - 1.94 Ohms
- **0.90 µH:**
  - 0.90 Ohms
  - 60 Ohms
  - 2.00 Ohms
- **1.00 µH:**
  - 1.00 Ohms
  - 56 Ohms
  - 1.2 Ohms
  - 64 Ohms
  - 1.44 Ohms
  - 68 Ohms
  - 1.7 Ohms
  - 73.5 Ohms
  - 0.93 Ohms
  - 70 Ohms
  - 1.94 Ohms
- **1.14 µH:**
  - 1.14 Ohms
  - 56 Ohms
  - 2.50 Ohms
  - 49 Ohms
  - 1.2 Ohms
  - 54 Ohms
  - 1.44 Ohms
  - 58 Ohms
  - 1.7 Ohms
  - 65.0 Ohms
  - 1.15 Ohms
  - 63 Ohms
  - 1.94 Ohms
  - 100 Ohms
  - 1.5 Ohms
- **1.25 µH:**
  - 1.25 Ohms
  - 37 Ohms
  - 1.7 Ohms
  - 35 Ohms
  - 1.44 Ohms
  - 40 Ohms
  - 1.7 Ohms
  - 57.0 Ohms
  - 1.61 Ohms
  - 45 Ohms
  - 1.94 Ohms
- **1.47 µH:**
  - 1.47 Ohms
  - 46 Ohms
  - 4.16 Ohms
  - 51 Ohms
  - 1.91 Ohms
  - 84 Ohms
  - 1.5 Ohms
  - 100 Ohms
  - 1.86 Ohms
- **1.75 µH:**
  - 1.75 Ohms
  - 37 Ohms
  - 5.86 Ohms
  - 43 Ohms
  - 2.62 Ohms
- **2.20 µH:**
  - 2.20 Ohms
  - 25 Ohms
  - 1.7 Ohms
  - 57.0 Ohms
  - 1.5 Ohms
  - 68.4 Ohms
  - 1.86 Ohms
  - 93.6 Ohms
  - 2.6 Ohms
  - 108.0 Ohms
  - 2.3 Ohms
- **3.30 µH:**
  - 3.30 Ohms
  - 20 Ohms
  - 1.7 Ohms
  - 39.0 Ohms
  - 1.5 Ohms
  - 50.1 Ohms
  - 1.86 Ohms
  - 62.4 Ohms
  - 2.6 Ohms
  - 76.0 Ohms
  - 2.3 Ohms
- **5.50 µH:**
  - 5.50 Ohms
  - 18 Ohms
  - 1.7 Ohms
  - 31.0 Ohms
  - 4.35 Ohms
  - 27.8 Ohms
  - 1.5 Ohms
  - 36.2 Ohms
  - 1.86 Ohms
  - 45.9 Ohms
  - 2.6 Ohms
  - 56.0 Ohms
  - 2.3 Ohms
  - 101.8 Ohms
  - 2.80 Ohms
- **8.20 µH:**
  - 8.20 Ohms
  - 10 Ohms
  - 1.7 Ohms
  - 17.6 Ohms
  - 1.5 Ohms
  - 23.4 Ohms
  - 1.86 Ohms
  - 32.1 Ohms
  - 2.6 Ohms
  - 37.0 Ohms
  - 2.3 Ohms
  - 63.0 Ohms
  - 2.80 Ohms
- **11.0 µH:**
  - 11.0 µH
  - 15.2 µH
  - 18.6 µH
  - 21.9 µH
  - 2.6 µH
  - 24.5 µH
  - 2.3 µH
  - 49.0 µH
  - 2.80 Ohms
- **22 µH:**
  - 22 µH
  - 6.8 µH
  - 1.5 µH
  - 9.6 µH
  - 1.86 µH
  - 15.0 µH
  - 2.6 µH
  - 16.4 µH
  - 2.3 µH
  - 36.6 µH
  - 2.80 Ohms
- **27 µH:**
  - 27 µH
  - 3.3 µH
  - 1.5 µH
  - 5.9 µH
  - 1.86 µH
  - 9.6 µH
  - 2.6 µH
  - 10.3 µH
  - 2.3 µH
  - 25.8 µH
  - 2.80 Ohms
- **39 µH:**
  - 39 µH
  - 47 µH
  - 18.6 µH
  - 2.80 Ohms
- **47 µH:**
  - 47 µH
  - 13.0 µH
  - 2.80 Ohms
- **56 µH:**
  - 56 µH
  - 13.0 µH
  - 2.80 Ohms
- **65 µH:**
  - 65 µH
  - 13.0 µH
  - 2.80 Ohms
- **82 µH:**
  - 82 µH
  - 100 µH
  - 8.4 µH
  - 2.80 Ohms
- **100 µH:**
  - 100 µH
  - 5.4 µH
  - 2.80 Ohms
- **120 µH:**
  - 120 µH
  - 7.6 µH
  - 10.5 µH
- **150 µH:**
  - 150 µH
  - 5.0 µH
  - 10.5 µH
- **190 µH:**
  - 190 µH
  - 3.4 µH
  - 10.5 µH
- **200 µH:**
  - 200 µH
  - 3.1 µH
  - 10.5 µH
- **270 µH:**
  - 270 µH
  - 3.0 µH
  - 10.5 µH
- **330 µH:**
  - 330 µH
  - 2.5 µH
  - 10.5 µH
- **470 µH:**
  - 470 µH
  - 2.0 µH
  - 10.5 µH
- **1000 µH:**
  - 1000 µH
  - 0.50 µH

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### Inductance

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- Document 373A-5 Revised 05/10/18
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**Specifications**

- **Inductance**
  - 3.30 µH
  - 0.08
  - 220 µH
  - 0.12
  - 100 µH
  - 0.17
  - 68 µH
  - 0.22

- **DCC (A)**
  - 0.05

- **Actual size**
  - 3300 µH

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**Base (mm)**

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**Height (mm)**

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**Isat (DCC)**

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**NEW**

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**CONTINUED ON NEXT PAGE**

For free evaluation samples or more information, visit www.coilcraft.com or call 800-322-2645

Specifications subject to change without notice. Document 373A-7 Revised 05/10/18
### AEC-Q200 Power Inductors

#### Key
1. Find your required inductance in the far left column.
2. Scan the row until you find the desired current rating (bold number); parts from there to the right meet your requirement.
3. Read up to see the Coilcraft product series and dimensions.

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<th>Isat DC (Ω)</th>
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<th>MSS1260T</th>
<th>MSS1278T</th>
<th>MSS1278T Shielded</th>
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#### Your Global Partner

Coilcraft offers a wide range of high-reliability, high-volume magnetics for the automotive industry. We are one of the world's largest manufacturers of coils and transformers for RF, power, EMI and sensing applications.

Our global technical support and engineering centers will help you select the best solution from our extensive catalog of standard, off-the-shelf parts or work with you to develop, prototype and qualify a custom design.

Redundant manufacturing capabilities around the globe, along with our well-tuned logistics capabilities, assure you of a steady parts supply and quick response to changing market demands.

#### Committed to Quality

All of Coilcraft's automotive components are manufactured in ISO/TS 16949 certified facilities.

Coilcraft is currently pursuing IATF16949 certification for those facilities, and expects that transition to be complete by end of June 2018.

In addition, all facilities have received ISO 9001 (Quality Management System) certification for the "Design and manufacture of inductive components including SMT and ledged inductors, telecommunication, computer module and assemblies."

This certification demonstrates that Coilcraft has operational quality systems in place that satisfy the rigorous demands of our customers.