XGL/XEL/XAL

Key

- Wide range of inductance values (up to 1513 and 56 pF)
- Low inductance values for high-frequency applications (as low as 0.0345 pF)
- Low AC losses at high-frequency range (2 to 10 MHz)
- Highest current handling (up to 117 A)
- Soft saturation characteristic to withstand high current spikes
- Very low DCR
- No thermal-aging issue
- Perfect for high temperature applications

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.
No thermal-aging issue and Soft saturation

Highest inductance range

Lowest DCR & widest inductance range

NEW! XGL

Making the Best Choice

Coilcraft offers four popular styles of high-performance molded power inductors, our XGL, XEL, XAL, and XFL Families. They are mechanically rugged and magnetically shielded for use in high-density circuits. Each style offers unique performance benefits.

XGL

Lowest DCR & widest inductance range

Lowest DCR

Suitable for IoT / Wearables

No thermal-aging issue

XEL/XAL

High current & high frequency

Wide range of sizes and inductance values (up to size 1513 and 33 µH)

Low AC losses at high-frequency range (2 to 10 MHz)

Soft saturation characteristics to withstand high current spikes

Very low DCR

No thermal-aging issue and perfect for high-temperature applications

XFL

Low DCR & lowest profile

Low DCR

Suitable for IoT / Wearables

Offers low inductance values for high-frequency applications

No thermal-aging issue

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### XGL, XEL, XAL or XFL?

#### XEL/XAL

- **Lowest DCR** & widest inductance range
- Widest inductance range
- Highest I rms current rating
- Lowest power losses over wide frequency range (up to 10 MHz)
- Soft saturation characteristics to withstand high current spikes
- No thermal-aging issue and perfect for high-temperature applications

#### XFL

- **Low DCR & lowest profile**
- Low DCR
- Suitable for IoT / Wearables
- Offers low inductance values for high-frequency applications
- No thermal-aging issue

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### Specifications

<table>
<thead>
<tr>
<th>Key</th>
<th>2.5</th>
<th>3.0</th>
<th>4.0</th>
<th>5.0</th>
<th>6.0</th>
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<tr>
<td>Part Number L nom (µH) DCR typ (mOhms) Isat (A) 30%</td>
<td>XFL2005 20.0 20.0 20.0 20.0 20.0</td>
<td>XFL2306 20.0 20.0 20.0 20.0 20.0</td>
<td>XFL2310 3.0 3.0 3.0 3.0 3.0</td>
<td>XFL2312 4.0 4.0 4.0 4.0 4.0</td>
<td>XFL24020 4.0 4.0 4.0 4.0 4.0</td>
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<tr>
<td>Part Number L nom (µH) DCR typ (mOhms) Isat (A) 30%</td>
<td>XFL2430 5.0 5.0 5.0 5.0 5.0</td>
<td>XFL2501X 8.0 8.0 8.0 8.0 8.0</td>
<td>XFL26012 8.0 8.0 8.0 8.0 8.0</td>
<td>XFL26020 8.0 8.0 8.0 8.0 8.0</td>
<td>XFL26030 8.0 8.0 8.0 8.0 8.0</td>
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For free evaluation samples or more information, visit www.coilcraft.com or call 800-322-2645.

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Specifications subject to change without notice. Document 373X-2 Revised 05/09/23

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