



# AEC-Q200 High Current Inductors



**+125°C**  
AEC-Q200  
Grade 1

**+85°C**  
AEC-Q200  
Grade 3

**Key**

<b>2.5</b>	0.05
Isat	DCR
(A)	(Ohms)

- 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.



	<b>+85°C</b>		<b>+85°C</b>		<b>+125°C</b>		<b>+125°C</b>		<b>+125°C</b>		<b>+125°C</b>		<b>+125°C</b>		<b>+125°C</b>		<b>+125°C</b>																									
	DO1813H		SLC7530 Shielded		XEL3515 Shielded		XEL3520 Shielded		XEL3530 Shielded		XEL401x Shielded		XEL4020 Shielded		XAL40xx Shielded		XEL4030 Shielded		XEL5020 Shielded		XAL5020 Shielded		MVRT Shielded		XAL50xx Shielded																	
Base (mm)	8.9 × 6.1		7.5 × 6.7		3.5 × 3.2		3.5 × 3.2		3.5 × 3.2		4.0 × 4.0		4.0 × 4.0		4.0 × 4.0		4.0 × 4.0		5.48 × 5.28		5.48 × 5.28		11.1 × 9.38		5.48 × 5.28																	
Height (mm)	5.0		3.0		1.5		1.5		3.0		1.2 – 1.4		2.1		2.1 – 4.1		3.1		2.1 – 2.2		2.0		4.6		3.1 – 5.1																	
Inductance																																										
0.050 µH			<b>50</b> 0.120																																							
0.064 µH			<b>32</b> 0.120																																							
0.072 µH			<b>22</b> 0.120		<b>16.0</b> 2.85		<b>18.5</b> 2.45																																			
0.10 µH			<b>20</b> 0.120						<b>24</b> 5.2		<b>28.5</b> 2.04				<b>30.0</b> 1.50		<b>39.0</b> 1.9																									
0.12 µH							<b>13.8</b> 3.50																																			
0.15 µH					<b>12.5</b> 4.80																																					
0.19 µH	<b>14</b> 3.0		<b>21</b> 1.00				<b>11.8</b> 4.90																																			
0.22 µH					<b>10.0</b> 7.80				<b>10.6</b> 4.2		<b>16</b> 9.7		<b>19.7</b> 3.04		<b>18.7</b> 5.81				<b>28.0</b> 3.5																							
0.27 µH			<b>14</b> 1.00																																							
0.30 µH									<b>9.2</b> 5.2																																	
0.33 µH	<b>10</b> 4.0		<b>11</b> 1.00		<b>8.0</b> 11.8		<b>8.7</b> 8.00				<b>14.6</b> 9.9		<b>15.7</b> 5.18								<b>17.1</b> 6.40				<b>26.0</b> 3.20																	
0.36 µH																			<b>22.0</b> 4.8				<b>24</b> 0.93																			
0.40 µH			<b>8.0</b> 1.00																																							
0.47 µH							<b>8.0</b> 9.44		<b>7.9</b> 7.2																																	
0.56 µH	<b>7.7</b> 10.0				<b>6.5</b> 21.5		<b>7.3</b> 14.5				<b>11.6</b> 16.5		<b>11.3</b> 8.00		<b>10.4</b> 9.50						<b>14.1</b> 8.30		<b>13</b> 0.93		<b>19.8</b> 4.11																	
0.68 µH									<b>6.2</b> 10.3																																	
0.78 µH							<b>5.6</b> 20.5				<b>9.8</b> 20.3		<b>10.2</b> 11.8																													
0.9 µH									<b>5.9</b> 12.7																																	
1.0 µH											<b>9.0</b> 13.3		<b>8.7</b> 13.3		<b>9.0</b> 8.90		<b>12.4</b> 12.6																									
1.2 µH	<b>5.3</b> 17.0						<b>4.8</b> 35.0		<b>5.2</b> 17.8		<b>8.1</b> 17.8		<b>7.9</b> 17.8		<b>8.7</b> 10.4				<b>9.5</b> 17.8																							
1.5 µH											<b>7.4</b> 21.5		<b>7.1</b> 21.5		<b>8.5</b> 15.1																											
1.8 µH																																										
2.2 µH	<b>3.5</b> 35.0																																									
2.7 µH																																										
3.0 µH																																										
3.3 µH	<b>3.0</b> 40.0																																									
3.9 µH																																										
4.7 µH	<b>2.6</b> 54.0																																									
5.6 µH																																										
6.8 µH	<b>2.2</b> 80.0																																									
8.2 µH	<b>2.0</b> 92.0																																									
10 µH	<b>1.9</b> 110																																									
12 µH																																										
15 µH	<b>1.5</b> 170																																									
18 µH																																										
22 µH	<b>1.2</b> 250																																									
27 µH																																										
33 µH	<b>0.99</b> 350																																									
39 µH																																										
47 µH	<b>0.87</b> 470																																									
56 µH																																										
68 µH																																										
82 µH																																										
100 µH																																										
120 µH																																										
150 µH																																										
180 µH																																										
220 µH																																										
270 µH																																										
330 µH																																										
470 µH																																										
680 µH																																										
1000 µH																																										

CONTINUED ON NEXT PAGE

For free evaluation samples or more information, visit [www.coilcraft.com](http://www.coilcraft.com) or call 800-322-2645



# AEC-Q200 High Current Inductors



**+125°C**  
AEC-Q200  
Grade 1

**+85°C**  
AEC-Q200  
Grade 3

**Key**

<b>2.5</b>	0.05
Isat	DCR
(A)	(Ohms)

- 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.



	<b>+125°C</b>		<b>+85°C</b>		<b>+125°C</b>		<b>+125°C</b>		<b>+125°C</b>		<b>+125°C</b>		<b>+125°C</b>		<b>+125°C</b>		<b>+125°C</b>																																	
	XEL5030		MLC75xx		XAL6020		XEL6030		XEL6060		XAL7020		XTL7030		SER1052		XAL60xx		SER1360		SLC1175		MLC12xx		SRT8045																									
	Shielded		Shielded		Shielded		Shielded		Shielded		Shielded		Shielded		Shielded		Shielded		Shielded		Shielded		Shielded		Shielded																									
Base (mm)	5.48 × 5.28		7.5 × 7.0		6.56 × 6.36		6.56 × 6.36		6.56 × 6.36		7.5 × 7.5		7.4 × 7.4		11.0 × 10.2		6.56 × 6.36		12.7 × 12.6		11.0 × 7.65		11.4 × 10.5		8.7 × 8.3																									
Height (mm)	3.1 – 3.2		3.2 – 4.2		2.1		3.1		6.1		2.0		3.2		5.2		3.1 – 6.1		5.5		7.2		4.1 – 6.5		4.6																									
Inductance																																																		
0.050 µH																																																		
0.064 µH																																																		
0.072 µH																																																		
0.10 µH			<b>56.2</b>	1.2																																														
0.12 µH	<b>44.0</b>	1.53			<b>45.0</b>	1.60																			<b>88</b>	0.228																								
0.15 µH					<b>41.0</b>	2.35	<b>45</b>	1.35													<b>46.0</b>	1.90									<b>76</b>	0.228																		
0.19 µH																																																		
0.22 µH			<b>59.2</b>	2.5																																														
0.27 µH	<b>31.0</b>	2.16			<b>29.5</b>	3.45	<b>38</b>	2.10													<b>30.0</b>	2.90									<b>40</b>	0.228																		
0.30 µH			<b>29.8</b>	2.3																																														
0.33 µH																																																		
0.36 µH																																																		
0.40 µH	<b>23.5</b>	3.00																							<b>30</b>	1.98	<b>28.0</b>	4.00									<b>30.0</b>	2.30	<b>43.0</b>	0.77							<b>42.6</b>	0.93		
0.47 µH																																																		
0.56 µH	<b>22.0</b>	4.44	<b>20.2</b>	2.95	<b>20.5</b>	6.45			<b>23</b>	2.60													<b>29.0</b>	3.01									<b>24.9</b>	1.73																
0.68 µH																																																		
0.78 µH																																																		
0.9 µH																																																		
1.0 µH	<b>16.9</b>	7.00	<b>15.7</b>	4.42	<b>17.1</b>	12.6	<b>18</b>	6.32	<b>20</b>	3.70	<b>18.0</b>	9.80			<b>17.5</b>	4	<b>23.0</b>	5.62	<b>33.5</b>	2.36																														
1.2 µH	<b>15.3</b>	8.80																							<b>17.6</b>	11.5			<b>21.3</b>	6	<b>22.0</b>	6.82							<b>23.3</b>	2.38										
1.5 µH	<b>15.0</b>	9.90	<b>14.3</b>	7.10			<b>15</b>	9.57	<b>19</b>	4.28	<b>15.0</b>	17.6			<b>14.5</b>	6			<b>17.3</b>	4.08	<b>17.4</b>	7.70																												
1.8 µH																																																		
2.2 µH	<b>10.5</b>	13.2	<b>11.4</b>	11.7			<b>13</b>	12.7	<b>16</b>	6.10	<b>13.6</b>	28.7			<b>10.0</b>	4	<b>15.9</b>	12.7			<b>19.2</b>	2.84																												
2.7 µH																																																		
3.0 µH																																																		
3.3 µH	<b>8.4</b>	21.2																							<b>10.5</b>	19.9					<b>8.5</b>	6	<b>12.2</b>	19.9																
3.9 µH																																																		
4.7 µH	<b>6.7</b>	36.0																									<b>11.4</b>	13.7					<b>8.8</b>	9			<b>13.0</b>	5.50			<b>11.8</b>	8.18	<b>12.1</b>	11.6						
5.6 µH																																																		
6.8 µH																																																		
8.2 µH																																																		
10 µH																																																		
12 µH																																																		
15 µH																																																		
18 µH																																																		
22 µH																																																		
27 µH																																																		
33 µH																																																		
39 µH																																																		
47 µH																																																		
56 µH																																																		
68 µH																																																		
82 µH																																																		
100 µH																																																		
120 µH																																																		
150 µH																																																		
180 µH																																																		
220 µH																																																		
270 µH																																																		
330 µH																																																		
470 µH																																																		
680 µH																																																		
1000 µH																																																		

CONTINUED ON NEXT PAGE

For free evaluation samples or more information, visit [www.coilcraft.com](http://www.coilcraft.com) or call 800-322-2645



# AEC-Q200 High Current Inductors



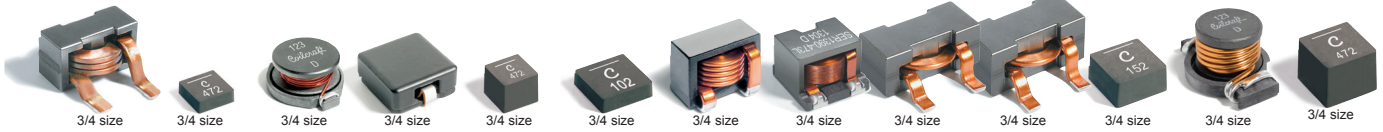
**+125°C**  
AEC-Q200  
Grade 1

**+85°C**  
AEC-Q200  
Grade 3

**Key**

<b>2.5</b>	0.05
Isat (A)	DCR (Ohms)

- 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.



	<b>+85°C</b>		<b>+125°C</b>		<b>+85°C</b>		<b>+85°C</b>		<b>+125°C</b>		<b>+85°C</b>		<b>+125°C</b>					
	<b>SER1590</b>		<b>XAL7030</b>		<b>DO5010H</b>		<b>MLC15xx</b>		<b>XAL7070</b>		<b>XAL1030</b>		<b>SER1412</b>					
	Shielded		Shielded				Shielded		Shielded		Shielded		Shielded					
Base (mm)	16.3 × 15.8		7.5 × 7.5		18.5 × 15.2		14.0 × 13.2		7.5 × 7.2		11.3 × 10.0		15.2 × 9.0					
Height (mm)	10.2		3.1		8.0		3.9 – 6.5		7.0		3.1		12.7					
Inductance																		
0.050 µH																		
0.064 µH																		
0.072 µH																		
0.10 µH																		
0.12 µH																		
0.15 µH			<b>60.0</b>	1.15			<b>78.0</b>	0.750	<b>88</b>	1.10								
0.19 µH													>100	0.500				
0.22 µH													<b>98.8</b> 0.450					
0.27 µH																		
0.30 µH	<b>57</b>	0.66	<b>41.0</b>	1.75			<b>55.6</b>	1.06	<b>68</b>	1.55	<b>105.9</b>	1.3	<b>100</b>	0.74	<b>100</b>	0.9		
0.33 µH																		
0.36 µH																		
0.40 µH																		
0.47 µH	<b>44</b>	0.87					<b>54.0</b>	0.864			<b>62.5</b>	1.3	<b>60</b>	0.74	<b>81</b>	0.9		
0.56 µH	<b>36</b>	0.87	<b>36.0</b>	3.00			<b>35.7</b>	1.34	<b>43.0</b>	1.42	<b>44</b>	2.50	<b>49</b>	0.74	<b>70</b>	0.9		
0.68 µH	<b>33</b>	0.87					<b>40.0</b>	1.75			<b>45.8</b>	1.3	<b>45</b>	0.74	<b>62</b>	0.9		
0.78 µH	<b>27</b>	0.87			<b>30</b>	2.6	<b>47.4</b>	1.20	<b>37.8</b>	2.08			<b>38</b>	0.74	<b>53</b>	0.9		
0.9 µH																		
1.0 µH	<b>23</b>	0.87	<b>28.0</b>	4.55			<b>27.3</b>	1.72	<b>34.8</b>	2.55	<b>35</b>	4.50	<b>32.2</b>	1.3	<b>29</b>	0.74	<b>42</b>	0.9
1.2 µH	<b>23</b>	1.08					<b>31.2</b>	3.10					<b>28</b>	0.74	<b>37</b>	0.9	<b>43.0</b>	2.50
1.5 µH	<b>19</b>	1.08	<b>23.5</b>	7.60	<b>25</b>	4.0	<b>21.0</b>	4.36			<b>24.6</b>	1.3			<b>36.0</b>	3.00		
1.8 µH									<b>25.0</b>	4.05			<b>16</b>	0.74	<b>27</b>	0.9		
2.2 µH			<b>18.0</b>	13.7	<b>20</b>	6.1	<b>15.0</b>	5.9	<b>19.6</b>	5.73			<b>19.4</b>	1.3			<b>32.0</b>	4.50
2.7 µH			<b>12.8</b>	15.7			<b>22.3</b>	4.1									<b>33.4</b>	5.20
3.0 µH																		
3.3 µH			<b>12.3</b>	19.5	<b>17</b>	8.6	<b>12.2</b>	8.8	<b>19.4</b>	8.56					<b>26.0</b>	7.20		
3.9 µH					<b>15</b>	10	<b>13.6</b>	3.1			<b>12.1</b>	1.3					<b>26.8</b>	6.00
4.7 µH			<b>10.1</b>	26.1	<b>13</b>	14	<b>10.57</b>	4.0	<b>15.2</b>	13.0					<b>25.0</b>	9.75		
5.6 µH			<b>9.8</b>	28.1	<b>12</b>	17	<b>9.57</b>	5.5	<b>13.0</b>	13.7								
6.8 µH			<b>8.7</b>	45.0			<b>8.60</b>	7.2	<b>12.8</b>	17.8							<b>22.5</b>	9.00
8.2 µH			<b>8.4</b>	53.0	<b>11</b>	18												
10 µH			<b>7.7</b>	60.4	<b>10</b>	26	<b>7.03</b>	10.6			<b>13.16</b>	13.7					<b>17.8</b>	11.0
12 µH					<b>8.5</b>	28	<b>6.70</b>	12.6										
15 µH					<b>8.0</b>	32	<b>5.77</b>	16.4					<b>8.60</b>	13.7			<b>13.8</b>	20.0
18 µH																	<b>13.2</b>	22.0
22 µH					<b>7.0</b>	47					<b>7.36</b>	21.0					<b>11.8</b>	24.0
27 µH																		
33 µH					<b>5.5</b>	66					<b>4.76</b>	21.0					<b>9.6</b>	37.0
39 µH																		
47 µH					<b>4.5</b>	86					<b>3.20</b>	21.0					<b>7.8</b>	52.0
56 µH																		
68 µH					<b>3.5</b>	130											<b>6.7</b>	67.0
82 µH																		
100 µH					<b>3.0</b>	190											<b>5.6</b>	115
120 µH																		
150 µH					<b>2.6</b>	250												
180 µH																		
220 µH					<b>2.4</b>	380												
270 µH																		
330 µH					<b>1.9</b>	560												
470 µH					<b>1.4</b>	850											<b>3.0</b>	325
680 µH					<b>1.2</b>	1100											<b>2.0</b>	780
1000 µH					<b>1.0</b>	1800												

CONTINUED ON NEXT PAGE

For free evaluation samples or more information, visit [www.coilcraft.com](http://www.coilcraft.com) or call 800-322-2645



# AEC-Q200 High Current Inductors



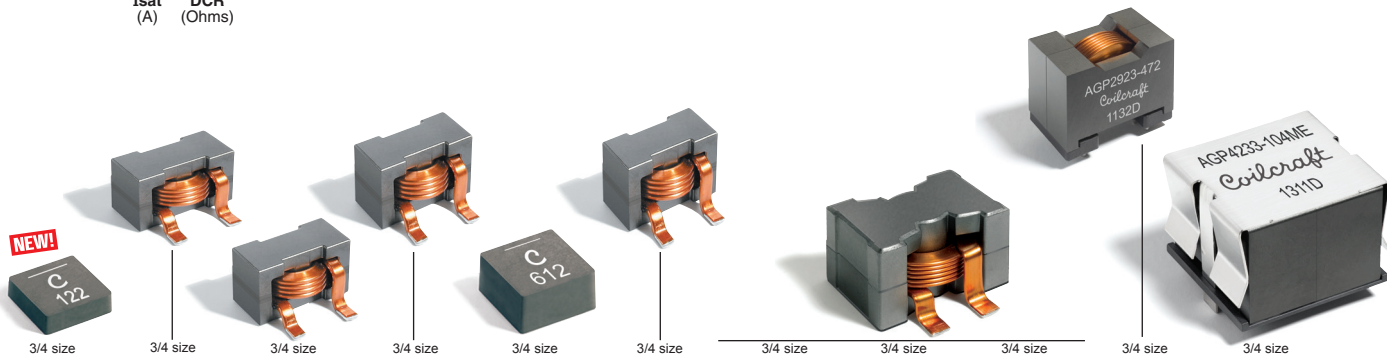
**+125°C**  
AEC-Q200  
Grade 1

**+85°C**  
AEC-Q200  
Grade 3

- 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.

Key

<b>2.5</b>	0.05
Isat (A)	DCR (Ohms)



	<b>+125°C</b>		<b>+85°C</b>		<b>+85°C</b>		<b>+85°C</b>		<b>+85°C</b>		<b>+85°C</b>		<b>+140°C</b>		<b>+125°C</b>										
	<b>XAL1350</b>		<b>SER2011</b>		<b>SER2012</b>		<b>SER2013</b>		<b>XAL15xx</b>		<b>SER2014</b>		<b>SER2915L</b>		<b>SER2915H</b>		<b>SER2918H</b>		<b>AGP2923</b>		<b>AGP4233</b>				
	Shielded		Shielded		Shielded		Shielded		Shielded		Shielded		Shielded		Shielded		Shielded		Shielded		Shielded				
Base (mm)	14.2 × 13.2		19.2 × 18.7		19.2 × 18.7		19.2 × 18.7		16.2 × 15.2		20.1 × 19.6		27.9 × 27.9		27.9 × 27.9		27.9 × 27.9		26.9 × 17.0		42.2 × 35.8				
Height (mm)	5.0		10.7		11.9		13.0		8.0 – 13.0		14.0		15.4		15.4		17.8		23.2		28.0				
Inductance																									
0.050 µH																									
0.064 µH																									
0.072 µH																									
0.10 µH																									
0.12 µH																									
0.15 µH																									
0.19 µH																									
0.22 µH																									
0.27 µH																									
0.30 µH																									
0.33 µH																									
0.36 µH																									
0.40 µH									<b>111</b>	0.50															
0.47 µH				<b>100</b>	1.2																				
0.56 µH				<b>90</b>	1.2	<b>97</b>	1.44																		
0.68 µH	<b>74</b>	1.50	<b>78</b>	1.2	<b>85</b>	1.44	<b>98</b>	1.7																	
0.78 µH			<b>70</b>	1.2	<b>75</b>	1.44	<b>85</b>	1.7	<b>86.0</b>	0.72	<b>98</b>	1.94													
0.9 µH	<b>60</b>	2.00																							
1.0 µH			<b>56</b>	1.2	<b>64</b>	1.44	<b>68</b>	1.7	<b>73.5</b>	0.93	<b>70</b>	1.94													
1.2 µH	<b>56</b>	2.50	<b>49</b>	1.2	<b>54</b>	1.44	<b>58</b>	1.7	<b>65.0</b>	1.15	<b>63</b>	1.94													
1.5 µH													<b>100</b>	1.5											
1.8 µH			<b>37</b>	1.2	<b>35</b>	1.44	<b>40</b>	1.7	<b>57.0</b>	1.61	<b>45</b>	1.94													
2.2 µH	<b>46</b>	4.16							<b>51.0</b>	1.91			<b>84.8</b>	1.5	<b>100</b>	1.86									
2.7 µH																									
3.0 µH	<b>37</b>	5.86							<b>43.0</b>	2.62															
3.3 µH							<b>25</b>	1.7					<b>57.0</b>	1.5	<b>68.4</b>	1.86	<b>93.6</b>	2.6	<b>108.0</b>	2.3					
3.9 µH							<b>20</b>	1.7			<b>25</b>	1.94													
4.7 µH							<b>18</b>	1.7	<b>34.2</b>	3.82			<b>39.0</b>	1.5	<b>50.1</b>	1.86	<b>62.4</b>	2.6	<b>76.0</b>	2.3					
5.6 µH									<b>33.0</b>	4.35															
6.8 µH									<b>31.0</b>	5.66			<b>27.8</b>	1.5	<b>36.2</b>	1.86	<b>45.9</b>	2.6	<b>56.0</b>	2.3	<b>101.8</b>	2.80			
8.2 µH																									
10 µH													<b>17.6</b>	1.5	<b>23.4</b>	1.86	<b>32.1</b>	2.6	<b>37.0</b>	2.3	<b>63.0</b>	2.80			
12 µH																									
15 µH													<b>11.0</b>	1.5	<b>15.2</b>	1.86	<b>21.9</b>	2.6	<b>24.5</b>	2.3	<b>49.0</b>	2.80			
18 µH																									
22 µH													<b>6.8</b>	1.5	<b>9.6</b>	1.86	<b>15.0</b>	2.6	<b>16.4</b>	2.3	<b>36.6</b>	2.80			
27 µH																									
33 µH													<b>3.3</b>	1.5	<b>5.9</b>	1.86	<b>9.6</b>	2.6	<b>10.3</b>	2.3	<b>25.8</b>	2.80			
39 µH																									
47 µH																							<b>18.6</b>	2.80	
56 µH																									
68 µH																								<b>13.0</b>	2.80
82 µH																									
100 µH																								<b>8.4</b>	2.80
120 µH																								<b>5.4</b>	2.80
150 µH																								<b>7.6</b>	10.5
180 µH																									
220 µH																								<b>5.0</b>	10.5
270 µH																								<b>3.4</b>	10.5
330 µH																									
470 µH																									
680 µH																									
1000 µH																									

LOWER CURRENT INDUCTORS START ON NEXT PAGE

For free evaluation samples or more information, visit [www.coilcraft.com](http://www.coilcraft.com) or call 800-322-2645



# AEC-Q200 Power Inductors



**+125°C**  
AEC-Q200  
Grade 1

**+85°C**  
AEC-Q200  
Grade 3

**Key**

<b>2.5</b>	0.05
Isat (A)	DCR (Ohms)

- 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.

	<b>NEW!</b> Actual size		Actual size		Actual size		<b>NEW!</b> Actual size		Actual size		Actual size		Actual size										
	<b>+85°C</b> EPL2010 Shielded		<b>+85°C</b> LPS3010 Shielded		<b>+85°C</b> EPL2014 Shielded		<b>+125°C</b> XPL2010 Shielded		<b>+85°C</b> EPL3012 Shielded		<b>+85°C</b> EPL3015 Shielded		<b>+125°C</b> XFL3010 Shielded		<b>+85°C</b> XFL3012 Shielded		<b>+85°C</b> LPS3015 Shielded		<b>+85°C</b> DO3314		<b>+85°C</b> DO1605T		
Base (mm)	2.0 × 2.0		3.0 × 3.0		2.0 × 2.0		2.0 × 1.9		3.0 × 3.0		3.0 × 3.0		3.0 × 3.0		3.0 × 3.0		3.0 × 3.0		3.3 × 3.3		5.4 × 4.2		
Height (mm)	1.0		1		1.4		1		1.2		1.5		1.0		1.2		1.5		1.4		1.8		
Inductance																							
0.21 µH																							
0.27 µH	<b>2.60</b>	0.032			<b>2.80</b>	0.030																	
0.33 µH							<b>3.05</b>	0.031							<b>3.4</b>	0.023							
0.42 µH	<b>2.20</b>	0.040			<b>2.40</b>	0.037																	
0.47 µH			<b>2.0</b>	0.070			<b>2.64</b>	0.040															
0.56 µH					<b>2.25</b>	0.043									<b>2.9</b>	0.028							
0.68 µH	<b>2.00</b>	0.058	<b>1.7</b>	0.080			<b>2.19</b>	0.057					<b>2.7</b>	0.030	<b>2.7</b>	0.034							
0.78 µH	<b>1.60</b>	0.068			<b>1.75</b>	0.051	<b>1.9</b>	0.068															
1.0 µH	<b>1.35</b>	0.099	<b>1.6</b>	0.085	<b>1.68</b>	0.059	<b>1.8</b>	0.081	<b>2.0</b>	0.060	<b>2.4</b>	0.048	<b>2.4</b>	0.043	<b>2.3</b>	0.039	<b>2.5</b>	0.075	<b>2.1</b>	0.11	<b>2.5</b>	0.04	
1.2 µH											<b>2.05</b>	0.054											
1.5 µH	<b>1.30</b>	0.141	<b>1.4</b>	0.120	<b>1.60</b>	0.075	<b>1.5</b>	0.105	<b>1.7</b>	0.069	<b>1.9</b>	0.062	<b>1.9</b>	0.071	<b>2.2</b>	0.060	<b>2.3</b>	0.100	<b>2</b>	0.14	<b>2.2</b>	0.06	
1.8 µH			<b>1.3</b>	0.150					<b>1.6</b>	0.076							<b>2.3</b>	0.100					
2.2 µH	<b>1.05</b>	0.202	<b>1.4</b>	0.220	<b>1.30</b>	0.120	<b>1.35</b>	0.156	<b>1.4</b>	0.097	<b>1.6</b>	0.082	<b>1.5</b>	0.111	<b>1.6</b>	0.081	<b>2.1</b>	0.110	<b>1.6</b>	0.20	<b>1.8</b>	0.07	
2.7 µH																							
3.3 µH	<b>0.85</b>	0.272	<b>0.90</b>	0.220	<b>1.10</b>	0.152	<b>1.05</b>	0.207	<b>1.1</b>	0.136	<b>1.4</b>	0.108	<b>1.3</b>	0.154	<b>1.4</b>	0.106	<b>1.5</b>	0.130	<b>1.4</b>	0.26	<b>1.4</b>	0.12	
3.9 µH																							
4.7 µH	<b>0.65</b>	0.429	<b>0.77</b>	0.300	<b>0.88</b>	0.231	<b>0.85</b>	0.336	<b>1.0</b>	0.165	<b>1.2</b>	0.145	<b>1.1</b>	0.217	<b>1.2</b>	0.143	<b>1.2</b>	0.200	<b>1.2</b>	0.32	<b>1.2</b>	0.15	
5.6 µH			<b>0.71</b>	0.400																			
6.8 µH	<b>0.57</b>	0.512	<b>0.64</b>	0.450	<b>0.80</b>	0.287	<b>0.73</b>	0.421			<b>1</b>	0.194	<b>0.92</b>	0.315	<b>0.97</b>	0.166	<b>0.89</b>	0.300	<b>0.92</b>	0.44	<b>1.1</b>	0.20	
8.2 µH	<b>0.53</b>	0.827	<b>0.59</b>	0.520	<b>0.68</b>	0.378	<b>0.67</b>	0.457											<b>0.9</b>	0.47	<b>1.0</b>	0.23	
10 µH	<b>0.47</b>	0.914	<b>0.55</b>	0.540	<b>0.60</b>	0.440	<b>0.61</b>	0.555	<b>0.80</b>	0.316	<b>0.81</b>	0.301	<b>0.71</b>	0.472	<b>0.74</b>	0.255	<b>0.73</b>	0.440	<b>0.8</b>	0.52	<b>1.0</b>	0.27	
12 µH	<b>0.35</b>	0.939	<b>0.50</b>	0.700																			
15 µH			<b>0.44</b>	0.950							<b>0.62</b>	0.435	<b>0.53</b>	0.521	<b>0.65</b>	0.394	<b>0.62</b>	0.700	<b>0.68</b>	0.86	<b>0.80</b>	0.35	
18 µH			<b>0.41</b>	1.10			<b>0.59</b>	1.47									<b>0.59</b>	0.750					
22 µH			<b>0.36</b>	1.20			<b>0.51</b>	1.89	<b>0.61</b>	0.718	<b>0.51</b>	0.576	<b>0.40</b>	0.770	<b>0.52</b>	0.608	<b>0.50</b>	0.825	<b>0.56</b>	1.20	<b>0.60</b>	0.54	
27 µH																							
33 µH			<b>0.28</b>	2.00			<b>0.41</b>	2.59			<b>0.45</b>	0.860	<b>0.35</b>	1.12	<b>0.38</b>	0.855	<b>0.42</b>	1.30	<b>0.51</b>	1.62	<b>0.50</b>	0.74	
39 µH													<b>0.33</b>	1.23	<b>0.37</b>	0.919							
47 µH			<b>0.25</b>	3.20			<b>0.32</b>	3.96					<b>0.27</b>	1.71	<b>0.32</b>	1.22	<b>0.39</b>	1.55				<b>0.45</b>	1.1
56 µH							<b>0.3</b>	4.48					<b>0.25</b>	1.95	<b>0.3</b>	1.43							
68 µH			<b>0.22</b>	3.50			<b>0.28</b>	6.14					<b>0.24</b>	2.32	<b>0.25</b>	2.16	<b>0.31</b>	2.35				<b>0.35</b>	1.6
82 µH							<b>0.26</b>	6.45					<b>0.23</b>	2.77	<b>0.24</b>	2.30							
100 µH			<b>0.17</b>	5.25			<b>0.23</b>	8.48					<b>0.22</b>	4.64	<b>0.28</b>	2.63	<b>0.26</b>	3.40				<b>0.30</b>	2.3
120 µH			<b>0.15</b>	6.10													<b>0.22</b>	4.65					
150 µH			<b>0.14</b>	9.15													<b>0.20</b>	6.25			<b>0.25</b>	3.5	
180 µH			<b>0.13</b>	10.10													<b>0.17</b>	8.60					
220 µH			<b>0.12</b>	12.50			<b>0.16</b>	19.2					<b>0.14</b>	9.91	<b>0.16</b>	6.83	<b>0.16</b>	9.50			<b>0.20</b>	5.7	
270 µH																							
330 µH			<b>0.12</b>	18.50															<b>0.11</b>	23.0		<b>0.16</b>	8.2
390 µH																							
470 µH																						<b>0.14</b>	10.8
560 µH																							
680 µH																						<b>0.12</b>	17.2
820 µH																							
1000 µH																						<b>0.08</b>	22.6
1500 µH																							
1800 µH																							
2200 µH																							
3300 µH																							
4700 µH																							
5600 µH																							
6800 µH																							
8200 µH																							
10000 µH																							

CONTINUED ON NEXT PAGE

For free evaluation samples or more information, visit [www.coilcraft.com](http://www.coilcraft.com) or call 800-322-2645



# AEC-Q200 Power Inductors



**+125°C**  
AEC-Q200  
Grade 1

**+85°C**  
AEC-Q200  
Grade 3

**Key**

<b>2.5</b>	0.05
Isat (A)	DCR (Ohms)

- 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.



	<b>+85°C</b> LPS4012 Shielded		<b>+85°C</b> DO1608C		<b>+85°C</b> MSS5121 Shielded		<b>+85°C</b> MSS5131 Shielded		<b>+85°C</b> LPS4018 Shielded		<b>+85°C</b> MSS6122 Shielded		<b>+125°C</b> LPS5030 Shielded		<b>+125°C</b> XFL40xx Shielded		<b>+85°C</b> MSS6132 Shielded		<b>+125°C</b> MSS6132T Shielded		<b>+85°C</b> MSS7341 Shielded		
Base (mm)	4.0 × 4.0		6.6 × 4.5		5.4 × 5.4		5.4 × 5.4		4.0 × 4.0		6.5 × 6.5		5.0 × 5.0		4.0 × 4.0		6.5 × 6.5		6.5 × 6.5		7.3 × 7.3		
Height (mm)	1.2		2.9		2.1		3.1		1.8		2.2		3		1.2 – 2.1		3.2		3.2		4.1		
Inductance																							
0.21 µH																							
0.27 µH																<b>9.7</b>	0.008						
0.33 µH	<b>5.5</b>	0.025													<b>7.5</b>	0.007							
0.42 µH																							
0.47 µH																<b>6.7</b>	0.014						
0.56 µH									<b>5.3</b>	0.033					<b>6.5</b>	0.018							
0.68 µH	<b>3.7</b>	0.055													<b>6.3</b>	0.010							
0.78 µH																							
1.0 µH	<b>3</b>	0.060	<b>2.9</b>	0.05					<b>4</b>	0.042			<b>4.1</b>	0.040	<b>5.4</b>	0.011							
1.2 µH													<b>3.7</b>	0.043	<b>4.5</b>	0.019							
1.5 µH	<b>2.8</b>	0.070	<b>2.6</b>	0.06											<b>4.6</b>	0.014							
1.8 µH																							
2.2 µH	<b>2.5</b>	0.100	<b>2.3</b>	0.07	<b>2.3</b>	0.050	<b>2.30</b>	0.020	<b>2.9</b>	0.070			<b>3.2</b>	0.057	<b>3.7</b>	0.021							
2.7 µH			<b>2.1</b>	0.08											<b>2.2</b>	0.017							
3.3 µH	<b>1.4</b>	0.100	<b>2.0</b>	0.08	<b>2</b>	0.070	<b>1.73</b>	0.028	<b>2</b>	0.080			<b>2.6</b>	0.066	<b>2.9</b>	0.035					<b>3.72</b>	0.014	
3.9 µH																							
4.7 µH	<b>1.8</b>	0.175	<b>1.5</b>	0.09	<b>1.66</b>	0.095	<b>1.42</b>	0.038	<b>1.9</b>	0.125	<b>1.82</b>	0.065	<b>2</b>	0.083	<b>2.7</b>	0.052	<b>2.84</b>	0.043	<b>2.84</b>	0.043	<b>3.16</b>	0.018	
5.6 µH	<b>1.6</b>	0.260			<b>1.54</b>	0.100	<b>1.30</b>	0.042			<b>1.60</b>	0.083	<b>1.9</b>	0.089			<b>2.74</b>	0.048	<b>2.74</b>	0.048	<b>2.98</b>	0.024	
6.6 µH	<b>1.4</b>	0.340	<b>1.2</b>	0.13	<b>1.38</b>	0.110	<b>1.24</b>	0.050	<b>1.3</b>	0.2	<b>1.50</b>	0.100	<b>1.7</b>	0.099			<b>2.3</b>	0.052	<b>2.30</b>	0.052	<b>2.56</b>	0.027	
8.2 µH			<b>1.2</b>	0.16	<b>1.32</b>	0.135	<b>1.18</b>	0.058			<b>1.36</b>	0.120	<b>1.7</b>	0.125			<b>2.22</b>	0.055	<b>2.22</b>	0.055	<b>2.36</b>	0.029	
10 µH	<b>1.1</b>	0.350	<b>1.1</b>	0.16	<b>1.18</b>	0.160	<b>1.13</b>	0.070	<b>1.3</b>	0.2	<b>1.20</b>	0.150	<b>1.4</b>	0.127			<b>1.84</b>	0.070	<b>1.84</b>	0.070	<b>2.1</b>	0.032	
12 µH					<b>1.05</b>	0.190	<b>0.94</b>	0.080			<b>1.14</b>	0.176	<b>1.4</b>	0.155			<b>1.7</b>	0.079	<b>1.70</b>	0.079	<b>1.92</b>	0.040	
15 µH	<b>0.84</b>	0.550	<b>0.90</b>	0.23	<b>0.9</b>	0.280	<b>0.86</b>	0.100	<b>0.94</b>	0.3	<b>1.04</b>	0.210	<b>0.9</b>	0.160			<b>1.56</b>	0.106	<b>1.56</b>	0.106	<b>1.78</b>	0.047	
18 µH					<b>0.87</b>	0.300	<b>0.79</b>	0.120	<b>0.85</b>	0.3	<b>0.97</b>	0.280	<b>0.87</b>	0.170			<b>1.36</b>	0.118	<b>1.36</b>	0.118	<b>1.62</b>	0.065	
22 µH	<b>0.79</b>	0.600	<b>0.70</b>	0.37	<b>0.82</b>	0.330	<b>0.70</b>	0.145	<b>0.83</b>	0.4	<b>0.82</b>	0.310	<b>0.78</b>	0.190			<b>1.22</b>	0.158	<b>1.22</b>	0.158	<b>1.42</b>	0.074	
27 µH					<b>0.74</b>	0.420	<b>0.62</b>	0.161			<b>0.77</b>	0.350					<b>1.18</b>	0.180	<b>1.18</b>	0.180	<b>1.22</b>	0.091	
33 µH	<b>0.48</b>	0.825	<b>0.58</b>	0.51	<b>0.67</b>	0.480	<b>0.58</b>	0.200	<b>0.68</b>	0.4	<b>0.74</b>	0.460	<b>0.64</b>	0.260			<b>1.1</b>	0.250	<b>1.10</b>	0.250	<b>1.16</b>	0.104	
39 µH					<b>0.58</b>	0.530	<b>0.55</b>	0.215			<b>0.64</b>	0.540					<b>0.99</b>	0.275	<b>0.99</b>	0.275	<b>1.12</b>	0.115	
47 µH	<b>0.38</b>	1.4	<b>0.50</b>	0.64	<b>0.54</b>	0.750	<b>0.51</b>	0.270	<b>0.56</b>	0.7	<b>0.60</b>	0.680	<b>0.55</b>	0.330			<b>0.93</b>	0.300	<b>0.93</b>	0.300	<b>1</b>	0.127	
56 µH					<b>0.49</b>	0.860	<b>0.47</b>	0.280			<b>0.54</b>	0.740					<b>0.79</b>	0.380	<b>0.79</b>	0.380	<b>0.87</b>	0.174	
68 µH	<b>0.33</b>	1.7	<b>0.40</b>	0.86	<b>0.46</b>	1.00	<b>0.42</b>	0.368	<b>0.46</b>	1.0	<b>0.50</b>	1.00	<b>0.44</b>	0.440			<b>0.69</b>	0.410	<b>0.69</b>	0.410	<b>0.8</b>	0.236	
82 µH					<b>0.42</b>	1.20	<b>0.35</b>	0.420			<b>0.46</b>	1.20	<b>0.4</b>	0.470			<b>0.67</b>	0.510	<b>0.67</b>	0.510	<b>0.72</b>	0.257	
100 µH	<b>0.27</b>	2.4	<b>0.31</b>	1.27	<b>0.35</b>	1.40	<b>0.33</b>	0.580	<b>0.37</b>	1.4	<b>0.40</b>	1.37	<b>0.32</b>	0.600			<b>0.59</b>	0.660	<b>0.59</b>	0.660	<b>0.71</b>	0.286	
120 µH	<b>0.25</b>	3.3			<b>0.32</b>	1.60	<b>0.30</b>	0.610	<b>0.34</b>	1.6			<b>0.3</b>	0.800									
150 µH	<b>0.23</b>	3.5	<b>0.27</b>	2.00	<b>0.31</b>	2.10	<b>0.28</b>	0.820	<b>0.3</b>	2.0			<b>0.26</b>	0.860								<b>0.58</b>	0.438
180 µH	<b>0.2</b>	5.0			<b>0.27</b>	2.31	<b>0.25</b>	1.00	<b>0.27</b>	2.5													
220 µH	<b>0.17</b>	5.2	<b>0.22</b>	3.11	<b>0.25</b>	3.10	<b>0.23</b>	1.10	<b>0.24</b>	3.7			<b>0.25</b>	1.35								<b>0.47</b>	0.660
270 µH					<b>0.22</b>	3.50	<b>0.20</b>	1.43															
330 µH	<b>0.15</b>	7.2	<b>0.18</b>	3.80	<b>0.2</b>	4.00	<b>0.19</b>	1.58	<b>0.2</b>	5.9					<b>0.2</b>	1.80							
390 µH					<b>0.19</b>	5.00	<b>0.16</b>	1.80															
470 µH	<b>0.12</b>	10.0	<b>0.16</b>	5.06					<b>0.17</b>	7.8			<b>0.15</b>	2.80								<b>0.32</b>	1.21
560 µH	<b>0.12</b>	12.5							<b>0.15</b>	10.0			<b>0.14</b>	3.20									
680 µH	<b>0.11</b>	13.5	<b>0.14</b>	9.20					<b>0.14</b>	11.5			<b>0.13</b>	3.80								<b>0.29</b>	1.85
820 µH	<b>0.1</b>	20.0							<b>0.13</b>	14.0													
1000 µH	<b>0.1</b>	21.5	<b>0.10</b>	13.8					<b>0.11</b>	18.0			<b>0.11</b>	5.10									
1500 µH	<b>0.09</b>	30.0							<b>0.11</b>	25.0			<b>0.09</b>	7.60									
1800 µH	<b>0.09</b>	35.0							<b>0.1</b>	31.5			<b>0.09</b>	10.0									
2200 µH	<b>0.09</b>	42.0							<b>0.1</b>	32.5			<b>0.08</b>	11.0									
3300 µH	<b>0.08</b>	65.0							<b>0.09</b>	48.0			<b>0.07</b>	19.5									
4700 µH													<b>0.06</b>	26.0									
5600 µH																							
6800 µH																							
8200 µH																							
10000 µH																							

CONTINUED ON NEXT PAGE

For free evaluation samples or more information, visit [www.coilcraft.com](http://www.coilcraft.com) or call 800-322-2645





# AEC-Q200 Power Inductors



**+125°C**

AEC-Q200  
Grade 1

**+85°C**

AEC-Q200  
Grade 3

Key

<b>2.5</b>	0.05
Isat	DCR
(A)	(Ohms)

- 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.



	<b>+125°C</b>		<b>+125°C</b>		<b>+125°C</b>		<b>+125°C</b>		<b>+85°C</b>		<b>+125°C</b>		<b>+85°C</b>		<b>+125°C</b>		<b>+85°C</b>						
	<b>MSS7341T</b>		<b>XFL5015</b>		<b>XFL5030</b>		<b>XFL6012</b>		<b>LPS6235</b>		<b>DO3316T</b>		<b>MSS1038</b>		<b>MSS1038T</b>		<b>MSS1048</b>		<b>MSS1048T</b>		<b>MSS1246</b>		
	Shielded		Shielded		Shielded		Shielded		Shielded		Shielded		Shielded		Shielded		Shielded		Shielded		Shielded		
Base (mm)	7.3 × 7.3		5.48 × 5.28		5.48 × 5.28		6.56 × 6.36		6.2 × 6.2		12.9 × 9.4		10.5 × 10.2		10.5 × 10.2		10.2 × 10.0		10.2 × 10.0		12 × 12		
Height (mm)	4.1		1.5		3.1		1.2		3.5		5.2		3.8		3.8		4.8		4.8		4.6		
Inductance																							
0.21 µH			<b>13.3</b>	0.0042																			
0.27 µH					<b>11.5</b>	0.0022	<b>14.3</b>	7.10															
0.33 µH										<b>20</b>	0.0020												
0.42 µH			<b>10.1</b>	0.0063			<b>11.2</b>	10.5															
0.47 µH																							
0.56 µH					<b>9.0</b>	0.0032	<b>10.4</b>	13.5															
0.68 µH			<b>8.5</b>	0.0083						<b>13</b>	0.0050												
0.78 µH							<b>9.3</b>	18.0								<b>14.1</b>	0.0043	<b>14.1</b>	0.0043				
1.0 µH					<b>6.5</b>	0.0042	<b>8</b>	21.9		<b>11</b>	0.0060	<b>12.1</b>	0.0060	<b>12.1</b>	0.0060							<b>19.9</b>	0.0058
1.2 µH			<b>6.1</b>	0.015																			
1.5 µH			<b>5.8</b>	0.018						<b>9</b>	0.0080	<b>11.1</b>	0.0081	<b>11.1</b>	0.0081	<b>10.5</b>	0.0051	<b>10.5</b>	0.0051				
1.8 µH																							
2.2 µH					<b>4.3</b>	0.011				<b>7.8</b>	0.011					<b>8.40</b>	0.0072	<b>8.4</b>	0.0072				
2.7 µH										<b>7</b>	0.012	<b>9.26</b>	0.010	<b>9.26</b>	0.010								
3.3 µH	<b>3.72</b>	0.014			<b>4.2</b>	0.014				<b>6.4</b>	0.014					<b>7.38</b>	0.010	<b>7.38</b>	0.010	<b>11.76</b>	0.012		
3.9 µH										<b>5.9</b>	0.015	<b>7.64</b>	0.013	<b>7.64</b>	0.013								
4.7 µH	<b>3.16</b>	0.018			<b>3.3</b>	0.019				<b>5.4</b>	0.018					<b>6.46</b>	0.012	<b>6.46</b>	0.012	<b>9.86</b>	0.019		
5.6 µH	<b>2.98</b>	0.024								<b>4.7</b>	0.021	<b>6.14</b>	0.022	<b>6.14</b>	0.022							<b>9.28</b>	0.022
6.6 µH	<b>2.56</b>	0.027							<b>2.8</b>	0.075	<b>4.4</b>	0.024	<b>5.60</b>	0.027	<b>5.6</b>	0.027	<b>5.94</b>	0.016	<b>5.94</b>	0.016	<b>7.82</b>	0.025	
8.2 µH	<b>2.36</b>	0.029							<b>2.7</b>	0.095	<b>4</b>	0.032				<b>4.84</b>	0.020	<b>4.84</b>	0.020	<b>7.34</b>	0.027		
10 µH	<b>2.10</b>	0.032							<b>2.5</b>	0.100	<b>3.9</b>	0.034	<b>4.52</b>	0.035	<b>4.52</b>	0.035	<b>4.32</b>	0.023	<b>4.32</b>	0.023	<b>6.84</b>	0.037	
12 µH	<b>1.92</b>	0.040							<b>2.3</b>	0.110	<b>3.4</b>	0.036	<b>4.04</b>	0.041	<b>4.04</b>	0.041					<b>6.22</b>	0.039	
15 µH	<b>1.78</b>	0.047							<b>2.0</b>	0.125	<b>3.1</b>	0.045	<b>3.86</b>	0.050	<b>3.86</b>	0.050	<b>3.44</b>	0.036	<b>3.44</b>	0.036	<b>5.54</b>	0.049	
18 µH	<b>1.62</b>	0.065							<b>1.9</b>	0.140	<b>2.8</b>	0.050	<b>3.52</b>	0.065	<b>3.52</b>	0.065					<b>5.14</b>	0.051	
22 µH	<b>1.42</b>	0.074							<b>1.7</b>	0.145	<b>2.5</b>	0.070	<b>3.30</b>	0.073	<b>3.3</b>	0.073	<b>3.28</b>	0.050	<b>3.28</b>	0.050	<b>4.50</b>	0.060	
27 µH	<b>1.22</b>	0.091									<b>2.3</b>	0.085	<b>2.84</b>	0.089	<b>2.84</b>	0.089					<b>4.18</b>	0.068	
33 µH	<b>1.16</b>	0.104							<b>1.5</b>	0.180	<b>2</b>	0.100	<b>2.62</b>	0.093	<b>2.62</b>	0.093	<b>2.42</b>	0.068	<b>2.42</b>	0.068	<b>3.78</b>	0.082	
39 µH	<b>1.12</b>	0.115									<b>1.8</b>	0.120	<b>2.34</b>	0.112	<b>2.34</b>	0.112					<b>3.38</b>	0.095	
47 µH	<b>1.00</b>	0.127							<b>1.2</b>	0.245	<b>1.7</b>	0.150	<b>2.22</b>	0.128	<b>2.22</b>	0.128	<b>2.20</b>	0.120	<b>2.2</b>	0.120	<b>3.24</b>	0.121	
56 µH	<b>0.87</b>	0.174							<b>1.1</b>	0.280	<b>1.45</b>	0.165	<b>2.04</b>	0.180	<b>2.04</b>	0.180	<b>1.90</b>	0.126	<b>1.9</b>	0.126	<b>2.80</b>	0.134	
68 µH	<b>0.80</b>	0.236							<b>0.96</b>	0.345	<b>1.4</b>	0.220	<b>1.82</b>	0.213	<b>1.82</b>	0.213	<b>1.70</b>	0.176	<b>1.7</b>	0.176	<b>2.56</b>	0.167	
82 µH	<b>0.72</b>	0.257							<b>0.55</b>	0.315	<b>1.3</b>	0.250	<b>1.60</b>	0.261	<b>1.6</b>	0.261	<b>1.64</b>	0.196	<b>1.64</b>	0.196	<b>2.24</b>	0.189	
100 µH	<b>0.71</b>	0.286							<b>0.54</b>	0.375	<b>1.2</b>	0.280	<b>1.46</b>	0.304	<b>1.46</b>	0.304	<b>1.36</b>	0.224	<b>1.36</b>	0.224	<b>2.04</b>	0.217	
120 µH									<b>0.51</b>	0.435	<b>1</b>	0.400	<b>1.34</b>	0.380	<b>1.34</b>	0.380					<b>1.92</b>	0.287	
150 µH	<b>0.58</b>	0.438							<b>0.45</b>	0.535	<b>0.9</b>	0.460	<b>1.22</b>	0.506	<b>1.22</b>	0.506	<b>1.16</b>	0.330	<b>1.16</b>	0.330	<b>1.70</b>	0.327	
180 µH											<b>0.85</b>	0.520	<b>1.16</b>	0.582	<b>1.16</b>	0.582	<b>1.02</b>	0.360	<b>1.02</b>	0.360	<b>1.60</b>	0.380	
220 µH	<b>0.47</b>	0.660							<b>0.37</b>	0.820	<b>0.8</b>	0.700	<b>0.99</b>	0.756	<b>0.99</b>	0.756	<b>0.95</b>	0.394	<b>0.95</b>	0.394	<b>1.40</b>	0.488	
270 µH											<b>0.75</b>	0.800	<b>0.91</b>	0.926	<b>0.91</b>	0.926					<b>1.24</b>	0.560	
330 µH									<b>0.30</b>	1.20	<b>0.6</b>	1.07	<b>0.82</b>	1.09	<b>0.82</b>	1.09	<b>0.76</b>	0.748	<b>0.76</b>	0.748	<b>1.20</b>	0.731	
390 µH											<b>0.62</b>	1.14	<b>0.74</b>	1.14	<b>0.74</b>	1.14					<b>1.08</b>	0.814	
470 µH	<b>0.32</b>	1.21							<b>0.26</b>	1.60	<b>0.5</b>	1.27	<b>0.70</b>	1.24	<b>0.7</b>	1.24	<b>0.62</b>	0.886	<b>0.62</b>	0.886	<b>0.98</b>	0.935	
560 µH									<b>0.23</b>	2.00			<b>0.56</b>	1.70	<b>0.56</b>	1.70					<b>0.90</b>	1.19	
680 µH	<b>0.29</b>	1.85							<b>0.21</b>	2.20			<b>0.52</b>	1.93	<b>0.52</b>	1.93					<b>0.82</b>	1.37	
820 µH									<b>0.19</b>	2.70			<b>0.49</b>	2.60	<b>0.49</b>	2.60					<b>0.75</b>	1.59	
1000 µH									<b>0.18</b>	3.40			<b>0.46</b>	2.85	<b>0.46</b>	2.85					<b>0.68</b>	2.09	
1500 µH									<b>0.14</b>	4.60													
1800 µH									<b>0.13</b>	5.42													
2200 µH									<b>0.11</b>	6.70													
3300 µH									<b>0.10</b>	9.50													
4700 µH									<b>0.084</b>	14.5													
5600 µH									<b>0.080</b>	16.4													
6800 µH									<b>0.069</b>	21.4													
8200 µH									<b>0.067</b>	24.5													
10000 µH									<b>0.060</b>	29.5													

CONTINUED ON NEXT PAGE

For free evaluation samples or more information, visit [www.coilcraft.com](http://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



**+125°C**

AEC-Q200  
Grade 1

**+85°C**

AEC-Q200  
Grade 3

Key

2.5	0.05
Isat (A)	DCR (Ohms)

- 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.



	+125°C		+85°C		+125°C		+85°C		+125°C		+85°C	
	MSS1246T		MSS1260		MSS1260T		MSS1278		MSS1278T		MSS1210	
	Shielded		Shielded		Shielded		Shielded		Shielded		Shielded	
Base (mm)	12 x 12		12 x 12		12 x 12		12 x 12		12 x 12		12 x 12	
Height (mm)	4.6		6.0		6		7.8		7.8		10.0	
Inductance												
0.21 µH												
0.27 µH												
0.33 µH												
0.42 µH												
0.47 µH												
0.56 µH												
0.68 µH												
0.78 µH												
1.0 µH	<b>19.9</b>	0.0058	<b>22.7</b>	0.0058	<b>22.7</b>	0.0058						
1.2 µH												
1.5 µH			<b>17.6</b>	0.0088	<b>17.6</b>	0.0088	<b>30.60</b>	0.0088	<b>30.6</b>	0.0088		
1.8 µH												
2.2 µH			<b>13.9</b>	0.012	<b>13.9</b>	0.012						
2.7 µH												
3.3 µH	<b>11.8</b>	0.012	<b>12.5</b>	0.013	<b>12.5</b>	0.013						
3.9 µH												
4.7 µH	<b>9.86</b>	0.019	<b>10.8</b>	0.014	<b>10.8</b>	0.014	<b>15.9</b>	0.014	<b>15.9</b>	0.014		
5.6 µH	<b>9.28</b>	0.022	<b>9.74</b>	0.015	<b>9.74</b>	0.015	<b>14.6</b>	0.016	<b>14.6</b>	0.016		
6.8 µH	<b>7.82</b>	0.025	<b>8.80</b>	0.017	<b>8.8</b>	0.017	<b>13.7</b>	0.019	<b>13.7</b>	0.019		
8.2 µH	<b>7.34</b>	0.027	<b>8.50</b>	0.017	<b>8.5</b>	0.017	<b>12.3</b>	0.020	<b>12.3</b>	0.020		
10 µH	<b>6.84</b>	0.037	<b>7.40</b>	0.022	<b>7.4</b>	0.022	<b>11.2</b>	0.022	<b>11.2</b>	0.022	<b>12.5</b>	0.014
12 µH	<b>6.22</b>	0.039	<b>6.42</b>	0.025	<b>6.42</b>	0.025	<b>10.7</b>	0.023	<b>10.7</b>	0.023		
15 µH	<b>5.54</b>	0.049	<b>5.78</b>	0.027	<b>5.78</b>	0.027	<b>9</b>	0.028	<b>9</b>	0.028	<b>10.7</b>	0.019
18 µH	<b>5.14</b>	0.051	<b>5.62</b>	0.030	<b>5.62</b>	0.030	<b>7.74</b>	0.031	<b>7.74</b>	0.031		
22 µH	<b>4.5</b>	0.060	<b>4.96</b>	0.037	<b>4.96</b>	0.037	<b>7.24</b>	0.036	<b>7.24</b>	0.036	<b>8.8</b>	0.026
27 µH	<b>4.18</b>	0.068	<b>4.28</b>	0.048	<b>4.28</b>	0.048	<b>7.02</b>	0.045	<b>7.02</b>	0.045		
33 µH	<b>3.78</b>	0.082	<b>4.02</b>	0.054	<b>4.02</b>	0.054	<b>6.3</b>	0.062	<b>6.3</b>	0.062	<b>6.9</b>	0.034
39 µH	<b>3.38</b>	0.095	<b>3.80</b>	0.058	<b>3.8</b>	0.058	<b>5.8</b>	0.069	<b>5.8</b>	0.069		
47 µH	<b>3.24</b>	0.121	<b>3.30</b>	0.075	<b>3.3</b>	0.075	<b>5.32</b>	0.072	<b>5.32</b>	0.072	<b>5.8</b>	0.048
56 µH	<b>2.8</b>	0.134	<b>3.14</b>	0.085	<b>3.14</b>	0.085	<b>4.9</b>	0.080	<b>4.9</b>	0.080		
68 µH	<b>2.56</b>	0.167	<b>2.94</b>	0.095	<b>2.94</b>	0.095	<b>4.26</b>	0.091	<b>4.26</b>	0.091	<b>4.9</b>	0.068
82 µH	<b>2.24</b>	0.189	<b>2.64</b>	0.120	<b>2.64</b>	0.120	<b>3.8</b>	0.125	<b>3.8</b>	0.125		
100 µH	<b>2.04</b>	0.217	<b>2.32</b>	0.139	<b>2.32</b>	0.139	<b>3.52</b>	0.135	<b>3.52</b>	0.135	<b>4.0</b>	0.106
120 µH	<b>1.92</b>	0.287	<b>2.10</b>	0.193	<b>2.1</b>	0.193	<b>3.24</b>	0.182	<b>3.24</b>	0.182		
150 µH	<b>1.7</b>	0.327	<b>1.98</b>	0.209	<b>1.98</b>	0.209	<b>3.02</b>	0.217	<b>3.02</b>	0.217	<b>3.4</b>	0.157
180 µH	<b>1.6</b>	0.380	<b>1.72</b>	0.234	<b>1.72</b>	0.234	<b>2.74</b>	0.229	<b>2.74</b>	0.229	<b>3.0</b>	0.173
220 µH	<b>1.4</b>	0.488	<b>1.56</b>	0.306	<b>1.56</b>	0.306	<b>2.36</b>	0.324	<b>2.36</b>	0.324	<b>2.8</b>	0.191
270 µH	<b>1.24</b>	0.560	<b>1.38</b>	0.349	<b>1.38</b>	0.349	<b>2.18</b>	0.416	<b>2.18</b>	0.416		
330 µH	<b>1.2</b>	0.731	<b>1.24</b>	0.482	<b>1.24</b>	0.482	<b>2</b>	0.487	<b>2</b>	0.487	<b>2.2</b>	0.289
390 µH	<b>1.08</b>	0.814	<b>1.15</b>	0.515	<b>1.15</b>	0.515	<b>1.88</b>	0.534	<b>1.88</b>	0.534		
470 µH	<b>0.98</b>	0.935	<b>1.06</b>	0.705	<b>1.06</b>	0.705	<b>1.64</b>	0.708	<b>1.64</b>	0.708	<b>1.8</b>	0.434
560 µH	<b>0.9</b>	1.19	<b>1.00</b>	0.776	<b>1</b>	0.776	<b>1.5</b>	0.780	<b>1.5</b>	0.780		
680 µH	<b>0.82</b>	1.37	<b>0.92</b>	0.887	<b>0.92</b>	0.887	<b>1.38</b>	1.05	<b>1.38</b>	1.05	<b>1.6</b>	0.536
820 µH	<b>0.75</b>	1.59	<b>0.81</b>	1.18	<b>0.81</b>	1.18	<b>1.26</b>	1.17	<b>1.26</b>	1.17		
1000 µH	<b>0.68</b>	2.09	<b>0.74</b>	1.30	<b>0.74</b>	1.30	<b>1.14</b>	1.33	<b>1.14</b>	1.33	<b>1.3</b>	0.816
1500 µH											<b>1.0</b>	1.23
1800 µH											<b>0.95</b>	1.39
2200 µH											<b>0.86</b>	1.82
3300 µH											<b>0.70</b>	2.69
4700 µH											<b>0.58</b>	3.34
5600 µH											<b>0.54</b>	3.71
6800 µH											<b>0.49</b>	4.97
8200 µH											<b>0.45</b>	5.51
10000 µH											<b>0.40</b>	7.39

## 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 leaded 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.



For free evaluation samples or more information, visit [www.coilcraft.com](http://www.coilcraft.com) or call 800-322-2645