

## Notice (Soldering and Mounting)

### 1. Standard Land Dimensions

A high Q value is achieved when the PCB electrode land pattern is designed so that it does not project beyond the chip coil electrode.

■ Land Pattern  
 □ Solder Resist  
 (in mm)

Series	Standard Land Dimensions																																							
LQG15H LQG18H LQM18N LQM21N/21D/21F LQM31F LQP03T LQP15M/15T LQP18M		<table border="1"> <thead> <tr> <th>Part Number</th> <th>a</th> <th>b</th> <th>c</th> </tr> </thead> <tbody> <tr> <td>LQG15H</td> <td>0.5-0.6</td> <td>1.4-1.5</td> <td>0.4</td> </tr> <tr> <td>LQG18H</td> <td>0.6-0.8</td> <td>1.8-2.2</td> <td>0.6-0.8</td> </tr> <tr> <td rowspan="2">LQM18N</td> <td rowspan="2">0.7</td> <td>Flow</td> <td>2.2-2.6</td> </tr> <tr> <td>Reflow</td> <td>1.8-2.0</td> </tr> <tr> <td>LQM21N/21D/21F</td> <td>1.0</td> <td>3.0-4.0</td> <td>1.2</td> </tr> <tr> <td>LQM31F</td> <td>1.2</td> <td>4.2-5.2</td> <td>2.0</td> </tr> <tr> <td>LQP03T</td> <td>0.2-0.3</td> <td>0.8-0.9</td> <td>0.2-0.3</td> </tr> <tr> <td>LQP15M/15T</td> <td>0.5-0.6</td> <td>1.4-1.5</td> <td>0.4</td> </tr> <tr> <td>LQP18M</td> <td>0.7-0.9</td> <td>1.8-2.2</td> <td>0.6-0.8</td> </tr> </tbody> </table>	Part Number	a	b	c	LQG15H	0.5-0.6	1.4-1.5	0.4	LQG18H	0.6-0.8	1.8-2.2	0.6-0.8	LQM18N	0.7	Flow	2.2-2.6	Reflow	1.8-2.0	LQM21N/21D/21F	1.0	3.0-4.0	1.2	LQM31F	1.2	4.2-5.2	2.0	LQP03T	0.2-0.3	0.8-0.9	0.2-0.3	LQP15M/15T	0.5-0.6	1.4-1.5	0.4	LQP18M	0.7-0.9	1.8-2.2	0.6-0.8
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LQW15A LQW18A LQN21A LQW31H LQH31M/31C/31H	<p>* 2.0 min. (LQW15A/18A)</p>	<table border="1"> <thead> <tr> <th>Part Number</th> <th>a</th> <th>b</th> <th>c</th> <th>d</th> </tr> </thead> <tbody> <tr> <td>LQH31M/31C/31H</td> <td>1.5</td> <td>4.5</td> <td>1.75</td> <td>1.0</td> </tr> <tr> <td>LQW31H</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>LQN21A</td> <td>1.2</td> <td>3.0</td> <td>1.1</td> <td>0.8</td> </tr> <tr> <td>LQW18A</td> <td>0.7-1.0</td> <td>1.8-2.0</td> <td>0.6-0.7</td> <td>0.6-0.8</td> </tr> <tr> <td>LQW15A</td> <td>0.65</td> <td>1.2</td> <td>0.35</td> <td>0.50</td> </tr> </tbody> </table> <p>If mounted at 2.5 (2.0) mm intervals as indicated in the diagram, attention should be paid to potential magnetic coupling effects when using the coil as a resonator.</p>	Part Number	a	b	c	d	LQH31M/31C/31H	1.5	4.5	1.75	1.0	LQW31H					LQN21A	1.2	3.0	1.1	0.8	LQW18A	0.7-1.0	1.8-2.0	0.6-0.7	0.6-0.8	LQW15A	0.65	1.2	0.35	0.50								
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