DELTA P/N : HMQ281X Series

**Mechanical dimensions**

![Mechanical dimensions diagram]

UNIT : mm
A = 27.90 MAX
B = 27.94 MAX
C = 19.80 MAX
D = 17.78 MAX
E = 3.80 TYP
F = 6.63±0.51
G = 3.80 MIN
H = 6.90 TYP
I = 4.00 TYP

**Suggested PWB Layout(mm)**

![Suggested PWB Layout diagram]

**Electrical Characteristics: @25°C, 500kHz, 1V**

<table>
<thead>
<tr>
<th>Delta P/N</th>
<th>L¹ (uH)</th>
<th>Li (uH)</th>
<th>DCR (mΩ) MAX</th>
<th>Isat² (A)</th>
<th>Ir³ (A)</th>
<th>D (mm) MAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMQ2815-1R5</td>
<td>1.5±15%</td>
<td>20% drop</td>
<td>1.43</td>
<td>115</td>
<td>36</td>
<td>15.4</td>
</tr>
<tr>
<td>HMQ2815-100</td>
<td>10</td>
<td>20% drop</td>
<td>2.05</td>
<td>21.5</td>
<td>30</td>
<td>15.36</td>
</tr>
<tr>
<td>HMQ2818-6R8</td>
<td>6.8</td>
<td>20% drop</td>
<td>2.86</td>
<td>45</td>
<td>28</td>
<td>17.78</td>
</tr>
<tr>
<td>HMQ2818-100</td>
<td>10</td>
<td>20% drop</td>
<td>2.86</td>
<td>31.2</td>
<td>28</td>
<td>17.78</td>
</tr>
<tr>
<td>HMQ2818-150</td>
<td>15</td>
<td>20% drop</td>
<td>2.86</td>
<td>21.2</td>
<td>28</td>
<td>17.78</td>
</tr>
<tr>
<td>HMQ2818-220</td>
<td>22±20%</td>
<td>20% drop</td>
<td>2.86</td>
<td>14</td>
<td>28</td>
<td>17.78</td>
</tr>
</tbody>
</table>

1. Tolerance of inductance : ± 10%
2. Isat is the DC current which causes the inductance drop not less than Li
3. Ir is the DC current which causes the surface temperature of the part increase approximately 45°C.
4. Operating temperature: -40°C to 125°C (Self-temperature rise included).