DELTA P/N: TLM106012F-L Series

Mechanical Dimensions

Suggested PWB Layout

UNIT: mm
A = 10.0 MAX
B = 6.0 MAX
C = 12.0 MAX
D = 0.6
E = 1.1
F = 3.0
G = 2.1
H = 8.45
I = 1.25
J = 1.7
K = 3.5
L = 3.4
M = 10.05

Electrical Characteristics @ 25℃, 100kHz, 1V

<table>
<thead>
<tr>
<th>Delta P/N</th>
<th>L (nH) ± 10%</th>
<th>Li (nH) MIN</th>
<th>DCR (mΩ) ± 10%</th>
<th>Isat (A) 1</th>
<th>Ir (A) 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1-4</td>
<td>2-3</td>
<td>25℃</td>
<td>100℃</td>
<td>125℃</td>
</tr>
<tr>
<td>TLM106012F-101L</td>
<td>100</td>
<td>70</td>
<td>0.125</td>
<td>110</td>
<td>95</td>
</tr>
<tr>
<td>TLM106012F-121L</td>
<td>120</td>
<td>84</td>
<td>0.37</td>
<td>92</td>
<td>79</td>
</tr>
<tr>
<td>TLM106012F-151L</td>
<td>150</td>
<td>105</td>
<td>0.125</td>
<td>73</td>
<td>63</td>
</tr>
</tbody>
</table>

1. Isat is the DC current which causes the inductance drop to Li.
2. Ir is the DC current which causes the surface temperature of the part increase approximately 40 ℃.
3. Operating temperature: -40℃ to 125℃ (Self-temperature rise included).