DELTA P/N: TLM117513F Series

Mechanical Dimensions & Schematic

Suggested PWB Layout

UNIT : mm
A = 11.0 MAX
B = 7.5 MAX
C = 12.7 MAX
D = 0.85
E = 1.1
F = 4.0
G = 1.5
H = 8.2
I = 1.35
J = 2.4
K = 4.5
L = 1.0
M = 10.9

Electrical Characteristics @ 25℃, 100kHz, 1V

<table>
<thead>
<tr>
<th>Delta P/N</th>
<th>L (nH) ± 15%</th>
<th>Li (nH) MIN</th>
<th>DCR (mΩ) ± 10%</th>
<th>Isat 1 (A)</th>
<th>Ir2 (A)</th>
<th>Ir2 (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>1-4 2-3 25℃ 100℃ 125℃</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TLM117513F-900</td>
<td>90</td>
<td>63</td>
<td>0.105 0.27</td>
<td>145</td>
<td>123</td>
<td>116</td>
</tr>
<tr>
<td>TLM117513F-121</td>
<td>120</td>
<td>84</td>
<td></td>
<td>106</td>
<td>90</td>
<td>85</td>
</tr>
<tr>
<td>TLM117513F-131</td>
<td>130</td>
<td>91</td>
<td></td>
<td>98</td>
<td>83</td>
<td>78</td>
</tr>
<tr>
<td>TLM117513F-151</td>
<td>150</td>
<td>105</td>
<td></td>
<td>82</td>
<td>70</td>
<td>66</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).