

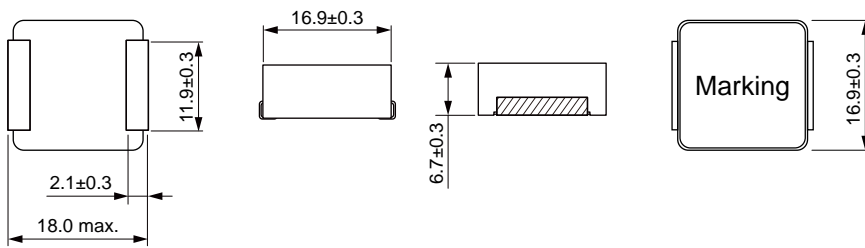


# SMD Low Profile High Current Molded Inductor Size 1870

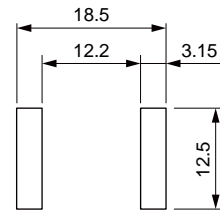


- Molded type
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## Dimensions: [mm]



## Land Pattern: [mm]



## Electrical Properties:

| Part No | Inductance<br>@100KHz/1V<br>(µH) | Tolerance | Temperature<br>Rise Current<br>Typ.<br>(A) | Saturation<br>Current<br>Typ.<br>(A) | DC<br>Resistance<br>Typ.<br>(mΩ) | DC<br>Resistance<br>Max.<br>(mΩ) |
|---------|----------------------------------|-----------|--|--------------------------------------|----------------------------------|----------------------------------|
|         |                                  |           |  |                                      |                                  |                                  |
|         |                                  |           |  |                                      |                                  |                                  |
|         |                                  |           |  |                                      |                                  |                                  |
|         |                                  |           |  |                                      |                                  |                                  |
|         |                                  |           |  |                                      |                                  |                                  |
|         |                                  |           |  |                                      |                                  |                                  |
|         |                                  |           |  |                                      |                                  |                                  |
|         |                                  |           |  |                                      |                                  |                                  |
|         |                                  |           |  |                                      |                                  |                                  |
|         |                                  |           |  |                                      |                                  |                                  |
|         |                                  |           |  |                                      |                                  |                                  |
|         |                                  |           |  |                                      |                                  |                                  |
|         |                                  |           |  |                                      |                                  |                                  |
|         |                                  |           |  |                                      |                                  |                                  |
|         |                                  |           |  |                                      |                                  |                                  |
|         |                                  |           |  |                                      |                                  |                                  |
|         |                                  |           |  |                                      |                                  |                                  |

Saturation Current will cause L to drop approximately 30%  
 Temperature Rise Current: The actual value of DC current when the temperature rise is  $\Delta T=40^{\circ}C$



# Typical Electrical Characteristics:

