

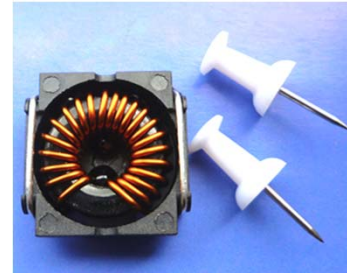


BT9340C Series



1. Features of BT9340C series:

- Alloy core based SMD Inductor with lower core loss , no Thermal Aging concerns.
- Inductance Range:10.0uH to 33.0uH. Custom values are welcomed.
- High current output chokes , up to 10.0 Amp with Max. 35% roll off.
- Low Profile 10.50mm Max. height .
- Foot Print 23.80 x 23.80 mm Max.
- Ideal for Buck Converter, VRM & High Density Board Design.
- Operating Temperature Range -40° C to + 130° C .RoHs & HF compliant.
- T & R Qty: 150 pcs , 13" Reel.

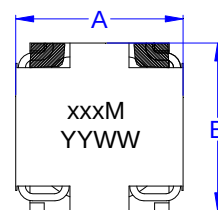


2. Electrical Characteristics of BT9340C series:

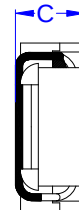
ITG Part Number	OCL ¹ (uH) ± 20%	DCR (mΩ) Max. @25°C	Isat1 ² (A) @25°C	Isat2 ³ (A) @25°C	Irms ⁴ (A) @25°C	L@Irms (uH) Typ.
BT9340C-100MHF	10.00	7.00	5.50	10.00	12.00	6.20
BT9340C-180MHF	18.00	14.50	4.00	6.80	9.00	11.20
BT9340C-330MHF	33.00	22.00	3.00	5.00	6.00	21.90

3. Mechanical Dimensions (unit: mm):

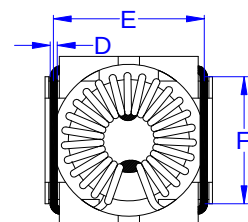
A	B	C	D	E	F
± 0.30	± 0.30	Max.	Ref.	Nom.	Nom.
23.50	23.50	10.50	1.00	21.00	17.00



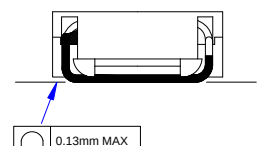
TOP VIEW



SIDE VIEW



BOTTOM VIEW



Part Marking:

xxx M: xxx is inductance value in uH , M is special code.
YYWW: Date Code

Notes:

1. Open Circuit Inductance (OCL) test condition:100KHz , 0.1Vrms ,0Adc.
2. Isat1: DC current that will cause inductance to drops 20% Max. (Ta=25°C).
3. Isat2: DC current that will cause inductance to drops 35% Max. (Ta=25°C).
4. Irms: DC current for an approximate temperature rise of 40°C without core loss.

● New York 1 914 347 2474 ● Taipei 886 2 2698 8669 ● Kaohsiung 886 7 350 2275
 ● Japan 81 568 85 2830 ● Shenzhen 86 755 8418 6263 ● Shanghai 86 21 5424 5141 ● Hong Kong 852 9688 9767
 ● sales@ITG-Electronics.com ● www.ITG-Electronics.com Revision B: September 26 , 2016

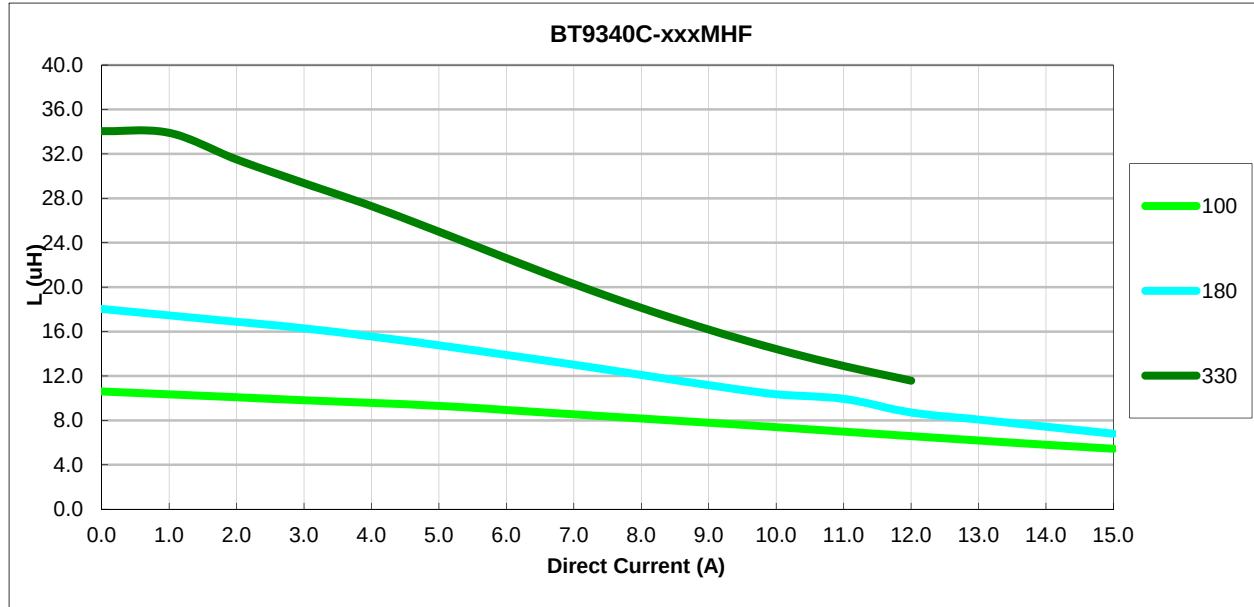
**Due to continuous product improvement, all specifications are subject to change without prior notice. Kindly contact an ITG field application engineer or a sales representative prior to purchase.*



BT9340C Series



4. Inductance vs. Temperature Rise Characteristics of BT9340C Series:



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