

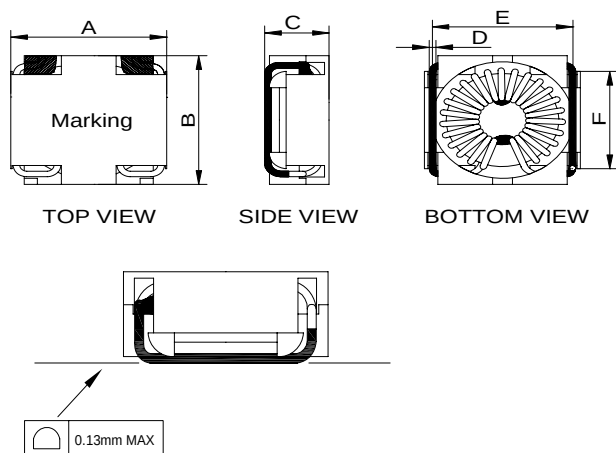


BT9340C Series



1. Features:

- Ferrite based SMD Inductor with lower core loss.
- Inductance Range:10.0uH to 33.0uH. Custom values are welcomed.
- High current output chokes, upto 5.5 Amp with max. 20% roll off.
- Low Profile 10.5mm Max. height .
- Foot Print 23.8 x 23.8 mm Max.
- Ideal for Buck Converter, VRM & High Density Board Design.
- Operating Temperature Range -40°C to + 130°C ,RoHs compliance .



2. Electrical Characteristic of BT9340C Series:

Part Number	Inductance (uH) ± 20%	DCR (mΩ) Max	Isat ¹ (A) @25°C	Isat ² (A) @25°C	Irms (A) @25°C	L@Irms (uH) Typ.
BT9340C-100MU	10.0	7.0	5.5	10.0	12.0	6.2
BT9340C-180MU	18.0	14.5	4.0	6.8	9.0	11.2
BT9340C-330MU	33.0	22.0	3.0	5.0	6.0	21.9

3. Mechanical Dimension(Unit:mm):

A	B	C	D	E	F
± 0.3	± 0.3	Max.	Ref.	Nom.	Nom.
23.5	23.5	10.5	1.0	21.0	17.0

Note:

- 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 .

4. Inductance Characteristics (Inductance vs. Current):

