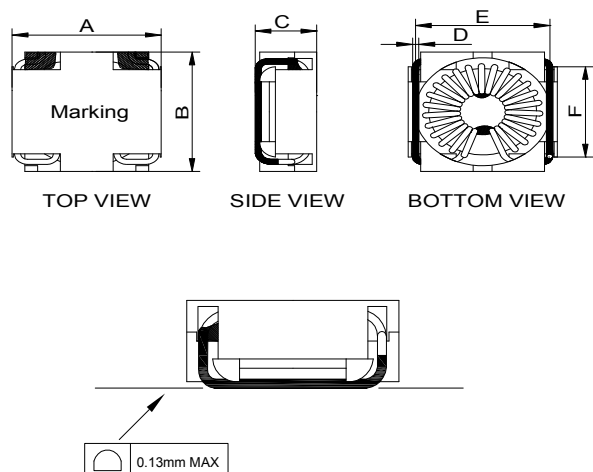


1. Features:

- Iron Powder based SMD Inductor with steady temperature performance.
- Inductance Range: 9.5uH to 68uH. Custom values are welcomed.
- High current output chokes, upto 12 Amp with max. 35% roll off.
- Low Profile 10.5mm Max. height .
- Foot Print 23.8 x 23.8 mm Max.
- Ideal chokes for High reliability & High Density Board Design.
- Operating Temperature Range -40°C to + 125°C



2. Electrical Characteristic of BT9340B Series:



Part Number	Inductance (uH) ± 20%	DCR (mΩ) Max	Isat ¹ (A) @25°C	Isat ² (A) @25°C	I _{rms} (A) @25°C	L@I _{rms} (uH) Typ.
BT9340B-100MU	9.39	8.7	5.6	12.0	15.0	6.54
BT9340B-150MU	14.04	12.7	5.2	10.0	14.0	9.16
BT9340B-180MU	18.13	15.8	5.0	9.0	12.0	11.90
BT9340B-220MU	21.14	21.8	4.0	8.0	9.5	11.46
BT9340B-330MU	33.52	30.0	3.6	6.5	9.0	14.43
BT9340B-390MU	39.70	37.0	2.5	5.8	8.5	23.34
BT9340B-470MU	46.40	44.0	2.6	5.4	6.5	30.80
BT9340B-680MU	66.82	62.0	2.4	4.6	5.5	45.00

3. Mechanical Dimension(Unit:mm):

A	B	C	D	E	F
± 0.3	± 0.3	Max.	Nom.	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. I_{rms}: DC current for an approximate temperature rise of 40°C without core loss .

4. Inductance characteristics:

