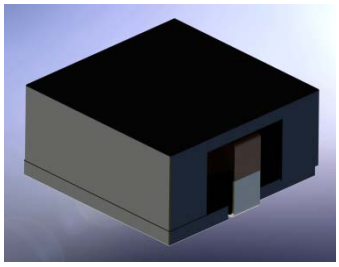
SC7236 Series



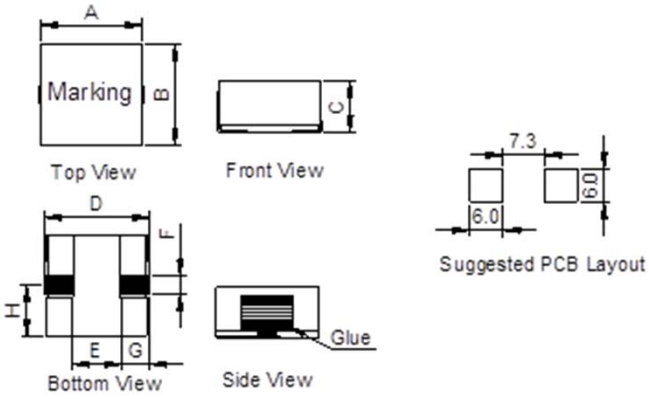
1. Features of SC7236 series:

- Ferrite base SMD Inductor with lower core loss.
- Custom values are welcomed
- High current output chokes, up to 18.8 Amp with approx. 30% roll off
- Flat wire windings provide extremely low DC and AC resistance
- Operating temperature range -55°C to +130°C, RoHS & HF compliant.
- T & R Qtys: 150 pcs, 13" Reel

2. Electrical Characteristics of SC7236 series:

ITG Part Number	OCL (uH) ±20%	DCR (mΩ) ±8%	L@Isat1 (uH) (Min.)	Isat1 (A) @25℃	Isat2 (A) @25℃	Isat3 (A) @75℃	Isat4 (A) @100℃	Irms (A) @25℃	Dim. F (mm) ± 0.5
SC7236-100MHF	10.0	6.9	7.0	15.5	18.8	14.0	12.0	15.5	4.20
SC7236-150MHF	15.0	9.0	10.5	11.0	14.5	9.0	7.5	13.0	4.20
SC7236-220MHF	22.0	14.6	15.4	8.0	11.5	7.5	7.0	10.5	4.20
SC7236-330MHF	33.0	21.7	23.1	7.5	9.2	7.0	6.5	8.0	3.20
SC7236-470MHF	47.0	33.5	32.9	6.5	7.2	6.0	5.5	6.5	2.40
SC7236-680MHF	68.0	45.0	47.6	6.1	6.5	5.5	5.0	5.5	2.40
SC7236-101MHF	100.0	50.0	70.0	4.5	4.7	4.0	3.5	5.0	2.40

3. Mechanical Dimensions of SC7236 series (unit: mm):



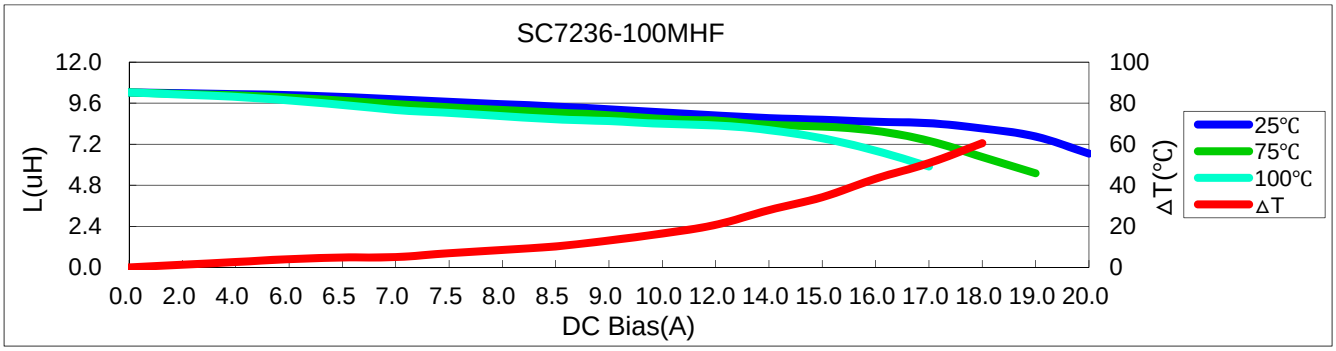
Type	SC7236
A	18.3 ± 0.5
B	18.3 ± 0.5
C	9.2 ± 0.3
D	18.3 ± 1.0
E	8.3 ± 1.0
F	See Table
G	5.0 ± 1.0
H	9.0 ± 1.0

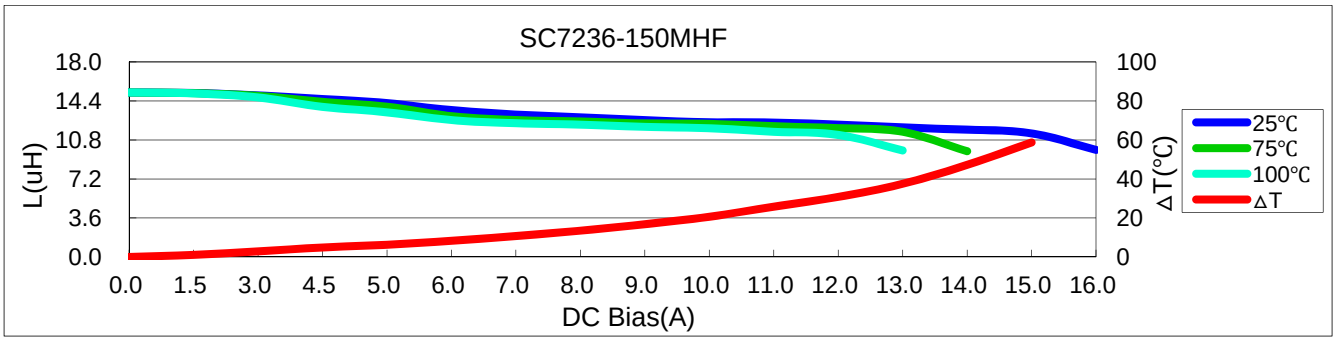
Notes:

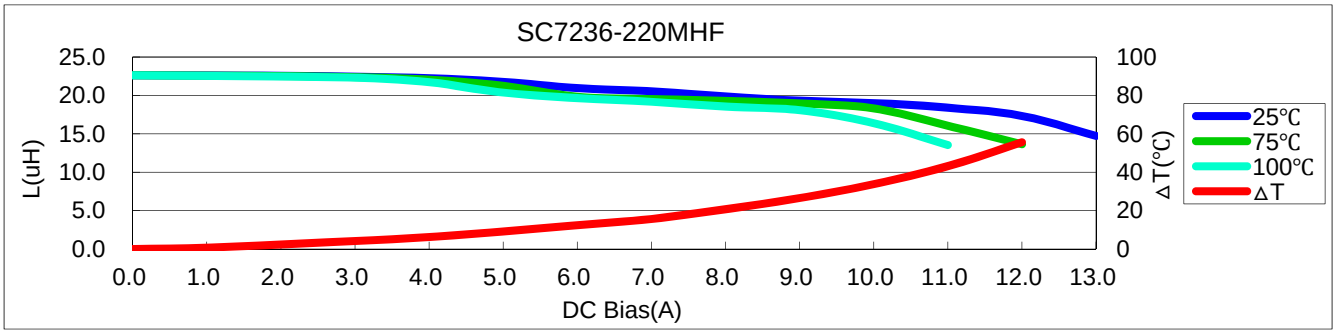
1. Open Circuit Inductance (OCL) and L@Irms and L@Isat are measured at: 300KHz, 0.25V (Ta=25℃).
2. $Isat^1$: DC current that causes inductance to drop 20%(Typ.) from OCL ;(Ta=25℃).
3. $Isat^2$: DC current that causes inductance to drop 30%(Typ.) from OCL ;(Ta=25℃).
4. $Isat^3$: DC current that causes inductance to drop 20%(Typ.) from OCL ;(Ta=75℃).
5. $Isat^4$: DC current that causes inductance to drop 20%(Typ.) from OCL ;(Ta=100℃).
6. Irms: DC current that causes an approximate temperature rise (△T) of 40℃;(Ta=25ºC).
7. Inductance vs. DC Current curve, please see the next pages to obtain more detail information.

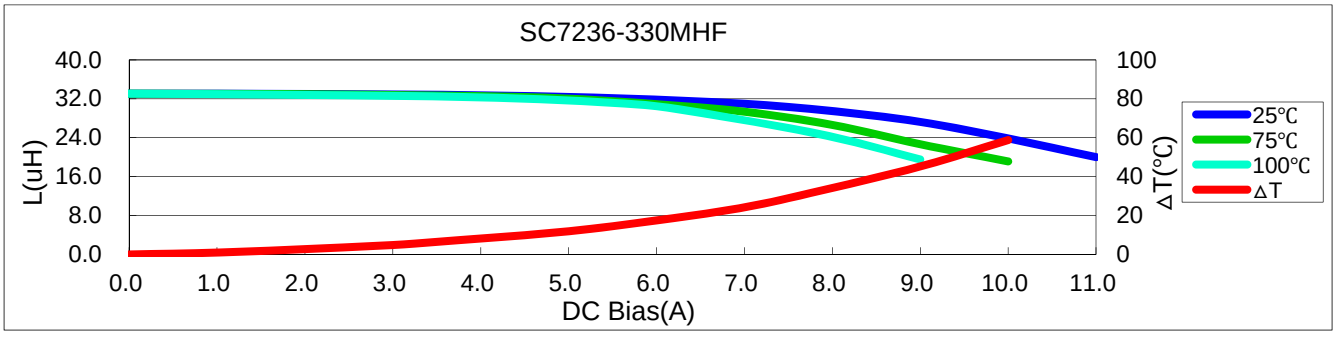
SC7236 Series

4. Inductance vs. Current vs. Temperature Rise Characteristics of SC7236









SC7236 Series

4. Inductance vs. Current vs. Temperature Rise Characteristics of SC7236 (Continuation)