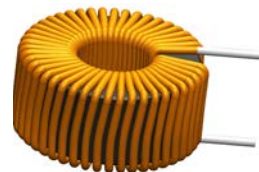
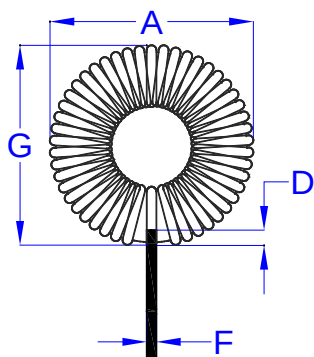


1. Features of AP1106xxx series:

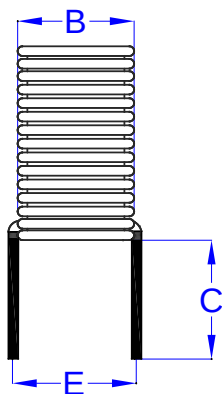
- Sendust core is used to realize lower core loss.
- No thermal aging concerns and low leakage magnetic flux.
- Elimination for impulse (EMI) noise.
- Inductance range from 150uH to 300uH. Custom values are welcomed.
- Ideally used as Power Factor Correction choke.
- Also can be used as boost inductor in power supplies.
- Ø33.0 x 33.0 x 18.0mm Max. , Custom values are welcomed.
- Operating Temperature Range: -55°C to 130°C (ambient + self-temperature rise).
- RoHs & HF compliant.



2. Mechanical Dimensions of AP1106xxx series (unit: mm):



Front View



Side View

Type	AP1106xxx
A	33.0 (Max.)
B	18.0 (Max.)
C	10.0 ± 1.0
D	0.0 (Min.)
E	See below table
F	See below table
G	33.0 (Max.)

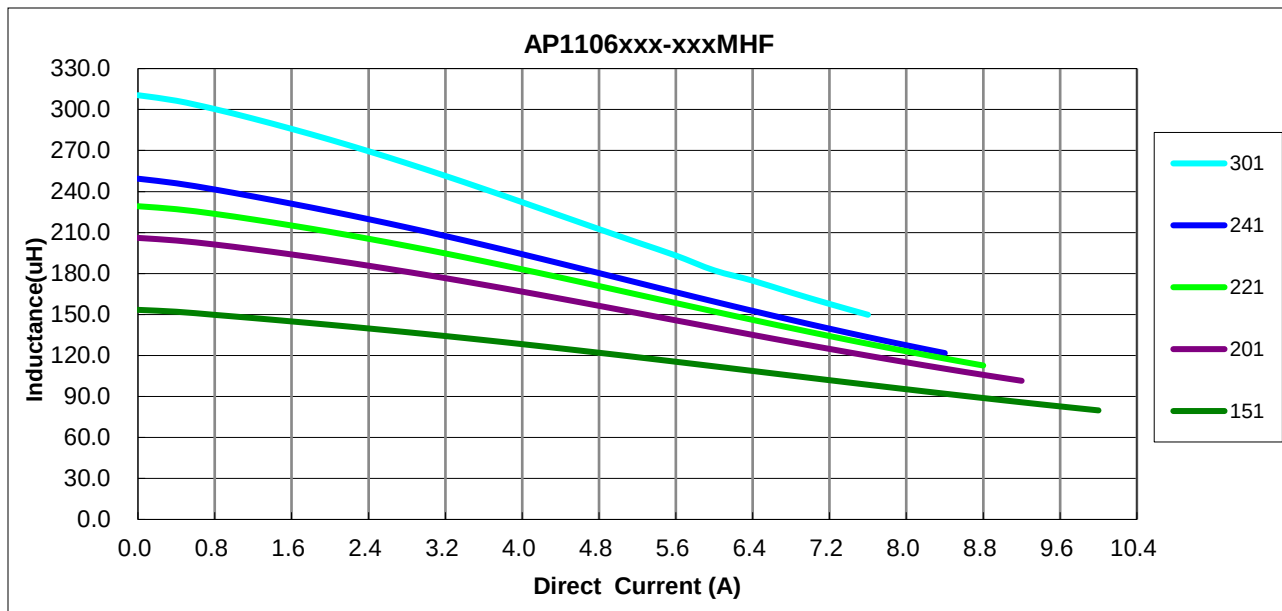
3. Electrical Characteristics of AP1106xxx series:

ITG Part Number	OCL ¹ (uH) ± 20%	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Irms ² (A) @25°C	L@Irms (uH) Typ.	Isat1 ³ (A) @25°C	L@Isat1 (uH) Typ.	Isat ⁴ (A) @25°C	L@Isat2 (uH) Typ.	Dim. E (mm) ± 1.0	Dim. F (mm) ± 0.1
AP110616045P-151MHF	150.00	25.10	30.20	10.00	79.81	2.00	142.83	6.00	112.06	14.00	1.30
AP110616052P-201MHF	200.00	34.50	41.50	9.00	103.63	1.80	191.96	5.40	148.43	14.00	1.20
AP110616055P-221MHF	227.00	36.50	44.00	8.50	116.45	1.80	221.81	5.00	167.71	14.00	1.20
AP110616057P-241MHF	240.00	38.00	45.60	8.00	127.48	1.60	231.09	4.80	180.31	15.00	1.20
AP110617063P-301MHF	300.00	49.50	59.50	7.50	151.76	1.40	289.65	4.20	227.27	16.00	1.10

Notes:

1. OCL (Open Circuit Inductance) and L@ Irms and L @Isat are measured at 100KHz, 0.25V @ 25°C.
2. Irms: DC current that causes an approximate temperature rise (ΔT) of 40°C.
3. Isat1: DC current that causes inductance to drop by approximately 10% from OCL.
4. Isat2: DC current that causes inductance to drop by approximately 30% from OCL.

4. Inductance vs. Current Characteristics of AP1106xxx Series:



5. Core Loss Curves:

