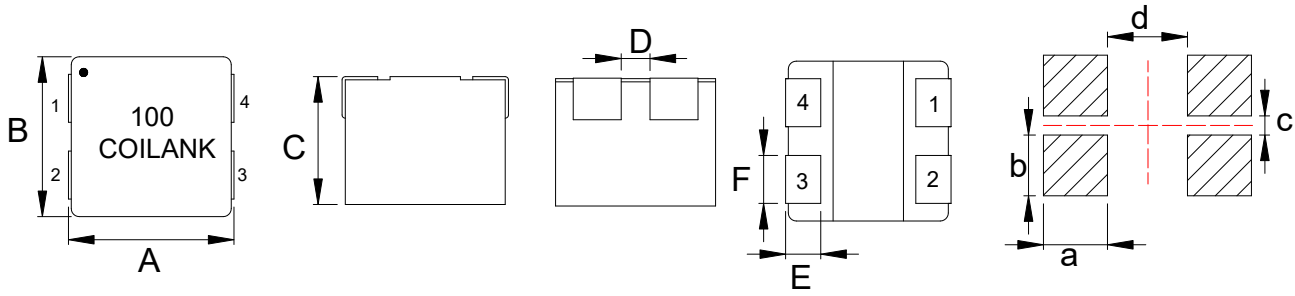
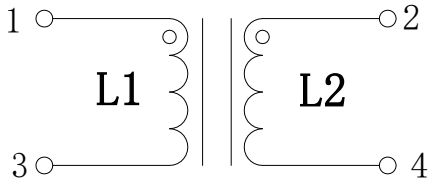


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	a	b	c	d	Q'TY/Reel
AABM1080	10.8±0.35	10.0±0.3	8.0Max	1.6Ref	2.4Ref	3.1Ref	4.0Ref	3.8Ref	1.2Ref	5.0Ref	400

2. Schematics



3. Part Number Code

AABM 1080 M 100 A
 A B C D E

A: Series Name Molding Power Inductors
 B: Dimensions(mm) 1080: 10.8x10.0x8.0
 C: Tolerance M: ±20%
 D: Inductance 100=10uH
 E: Materials A: Type

4. Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency	DCR(mΩ) Max. @25°C	Heat Rating Current Irms(A)	Saturation Current Isat(A)
AABM1080M100A	10	100KHz/1V	40	4.8	10.6

Notes:

- 1) AEC-Q200 qualified.
- 2) All test data is referenced to 25°C ambient.
- 3) Operating temperature range -55°C to +155°C,(Including self - temperature rise).
- 4) Irms :DC current(A) that will cause an approximate ΔT of 40°C.
- 5) Isat :DC current(A) that will cause I_o to drop approximately 40%
- 6) The part temperature(ambient + temp rise)should not exceed 155°C under worst case operating conditions.

Circuit design,component placement, PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature,part temperature should be verified in the end application.