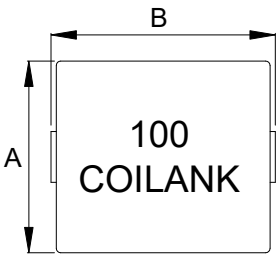
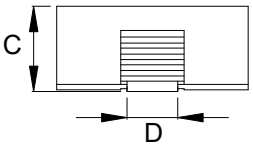
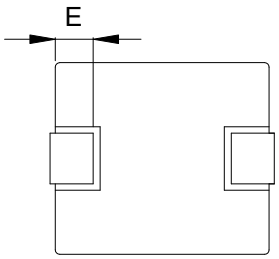
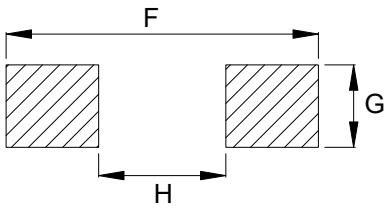
1.External Dimensions (Unit:m/m)









Recommended pattems

Type	A	B	C	D	E	F	G	H	Q'TY/Reel
APZBX1809	18.2±0.5	18.3±1.0	9.2Max	4.0±0.5	4.5±1.0	19.3	6.0	7.3	150

2.Part Number Code

APZ	BX	1809	M	100	N
A	B	C	D	E	F

A: Series Name — High Current Power Inductor
B: Internal controls
C: Dimensions(mm) — 1809：18.2x18.3x9.2
D: Tolerance — M： ±20%
E: Inductance — 100=10μH
F: Internal controls

3.Electrical Characteristics

Part Number	Inductance (μH)	Test Frequency	DCR(mΩ) Max. @25℃	Heat Rating Current Irms(A) Typ	Saturation Current Isat(A) Typ
APZBX1809M100N	10	100KHz/0.5V	6.9	16.25	26.42

Notes:

1）All test data is referenced to 25℃ ambient.

2）Operating temperature range -40℃ to +125℃,(Including self - temperature rise).

3）Irms :DC current(A) that will cause an approximate△T of 50℃.

4）Isat :DC current(A) that will cause lo to drop approximately 30%.

5）The part temperature(ambient + temp rise)should not exceed 125℃ 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.