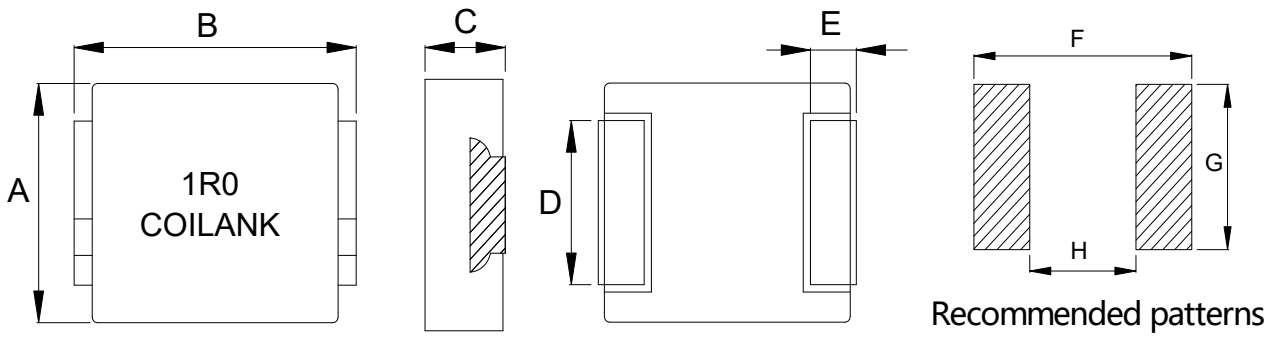
1. External Dimensions (Unit:mm)



Type	A	B	C	D Typ.	E	F Typ.	G Typ.	H Typ.	Q'TY/Reel
AAPS1040	10.0±0.3	11.2Max	4.0Max	4.5	2.2±0.4	12.07	4.95	5.8	500

2. Part Number Code

AAPS	10	40	M	1R0	D	V
Series Name	Dimensions: L*W	Dimensions: H	Tolerance ±20%	Inductance	Materials	Internal controls

3.Electrical Characteristics

Part Number	Inductance (μH)	Test Conditions	DC Resistance (mΩ) Max.	Heat Rating Current Irms(A) Typ.	Saturation Current Isat(A) Typ.
AAPS1040M1R0DV	1	100KHz/1V	3.1	23.7	20.4

Notes:

1）AEC-Q200 qualified.

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

3）Absolute maximum voltage 100VDC.

4）Operating temperature range -55℃ to +155℃,(Including self - temperature rise).

5）Irms :DC current(A) that will cause an approximate△T of 40℃.

6）Isat :DC current(A) that will cause Io to drop approximately 20%.

7）The part temperature(ambient + temp rise)should not exceed 155℃ under worst case operating conditions. Circuit design and other cooling provisions all affect the part temperature, part temperature should be verified in the end application.