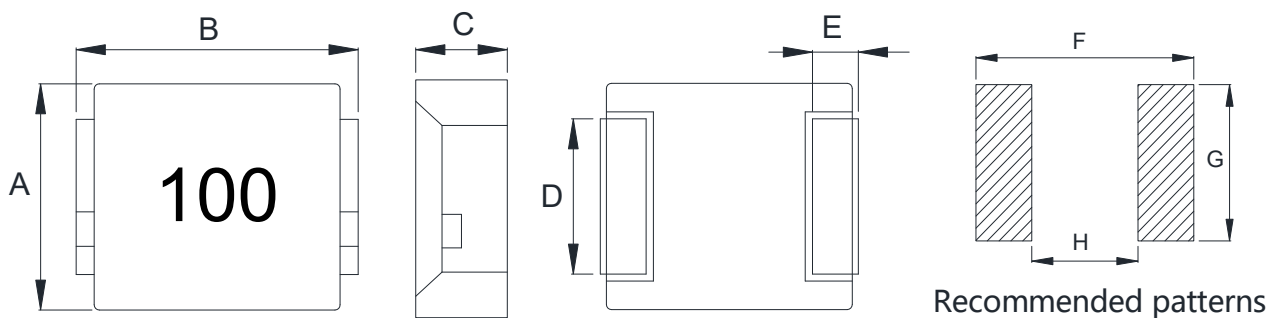


1. External Dimensions (Unit:mm)



Type	A	B	C	D Typ.	E Typ.	F Typ.	G Typ.	H Typ.	Q'TY/Reel
AAPS1040	10.0±0.5	11.5Max	4.0Max	3.0	2.0	13.6	4.1	5.4	500

2. Part Number Code

AAPS	1040	M	100	N
Series	Dimensions:	Tolerance	Inductance	Materials
Name	L*W*H	±20%		

3. Electrical Characteristics

Part Number	Inductance (μH)	Test Conditions	DC Resistance (mΩ) Max.	Heat Rating Current Irms(A) Typ.	Saturation Current Isat(A) Typ.
AAPS1040M100N	10	100KHz/1V	29.7	7.87	8.6

Notes:

- 1) AEC-Q200 qualified.
- 2) All test data is referenced to 25°C ambient.
- 3) Absolute maximum voltage 100VDC.
- 4) Operating temperature range -55°C to +155°C, (Including self - temperature rise).
- 5) Irms :DC current(A) that will cause an approximate ΔT of 40°C.
- 6) Isat :DC current(A) that will cause I_o to drop approximately 40%.
- 7) The part temperature(ambient + temp rise) should not exceed 155°C 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.