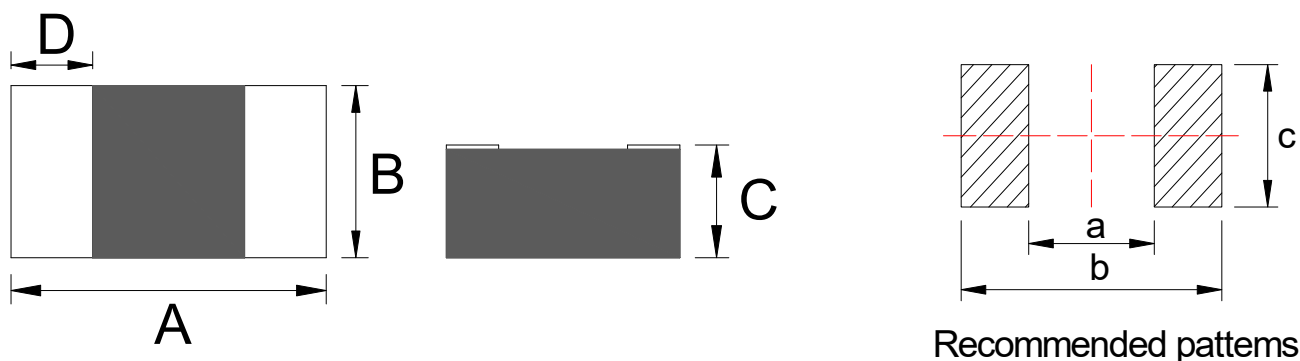


1. External Dimensions (Unit:mm)



Type	A	B	C	D Typ.	a Typ.	b Typ.	c Typ.	Q'TY/Reel
APS201612	2.0±0.2	1.6±0.2	1.2Max	0.6	0.5	2.1	1.7	3000

2. Part Number Code

APS	201612	M	1R0	F
Series Name	Dimensions: L*W*H	Tolerance ±20%	Inductance	Materials

3. Electrical Characteristics

Part Number	Inductance (μH)	Test Conditions	DC Resistance (mΩ) Max.	Heat Rating Current Irms(A) Typ.	Saturation Current Isat(A) Typ.
APS201612M1R0F	1.0	1MHz/1V	36.0	5.0	5.0

Notes:

- 1) All test data is referenced to 25°C ambient.
- 2) Operating temperature range -40°C to +125°C (Including self - temperature rise).
- 3) Irms :DC current(A) that will cause an approximate ΔT of 40°C.
- 4) Isat :DC current(A) that will cause I_o to drop approximately 40%.
- 5) The part temperature(ambient + temp rise) should not exceed 125°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.