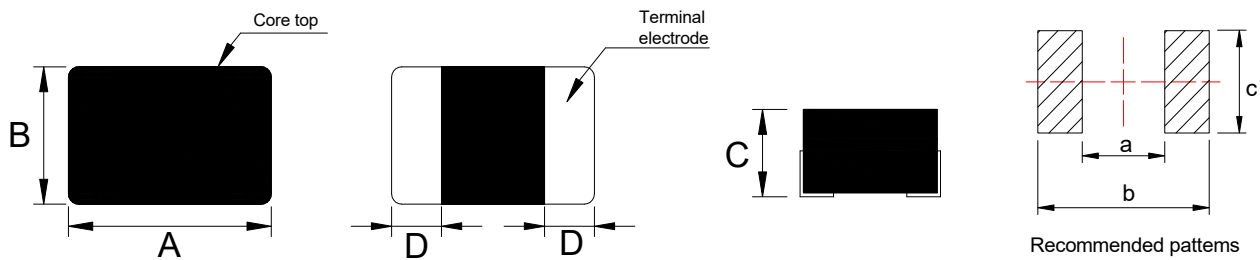


1. External Dimensions (Unit:m/m)



TYPE	A	B	C	D	a	b	c	Q'Ty Reel
AAPS201610	2.0±0.2	1.6±0.2	1.05Max	0.5Ref	0.7Ref	2.3Ref	1.8Ref	3000

2. Part Number Code

$$\frac{\text{AAPS}}{A} \quad \frac{201610}{B} \quad \frac{M}{C} \quad \frac{1R0}{D} \quad \frac{L}{E}$$

A: Series Name	Molding Power Inductors
B: Dimensions(mm)	201610: 2.0 x 1.6 x 1.05
C: Tolerance	M: $\pm 20\%$
D: Inductance	1R0=1.0uH
E: Materials	L: Type

3. Electrical Characteristics

Part Number	Inductance (μH)	Test Frequency (MHz)	DCR(mΩ) Max. @25°C	Heat Rating Current Irms(A) Typ.	Saturation Current Isat(A) Typ.
AAPS201610M1R0L	1	2MHz	65	3.1	3.6

Notes:

- 1) AEC-Q200 qualified.
- 2) All test data is referenced to 25°C ambient.
- 3) Operating temperature range -40°C to +125°C,(Including self - temperature rise).
- 4) I_{rms} :DC current(A) that will cause an approximate ΔT of 40°C.
- 5) I_{sat} :DC current(A) that will cause I_o to drop approximately 40%.
- 6) The part temperature(ambient + temp rise)should not exceed 125°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.