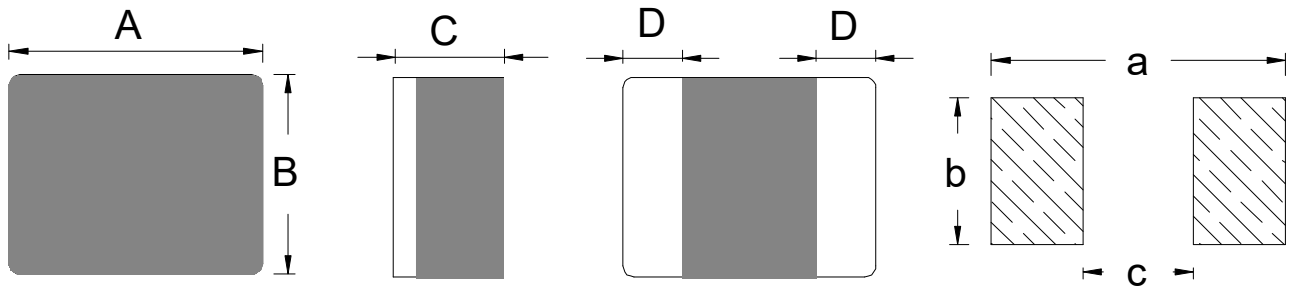


1. External Dimensions (Unit:mm)



Type	A	B	C	D	a	b	c	Q'TY/Reel
APS201610	2.0±0.2	1.6±0.2	1.05Max	0.5Ref	2.2Ref	1.8Ref	0.8Ref	3000

2. Part Number Code

APS 201610 M 1R0 A
 A B C D E

A: Series Name Molding Power Inductors
 B: Dimensions(mm) 201610: 2.0x1.6x1.05
 C: Tolerance M: ±20%
 D: Inductance 1R0=1.0uH
 E: Internal controls

3. Electrical Characteristics

Part Number	Inductance (μH)	Test Frequency (MHz)	DC Resistance (mΩ)Max.	Heat Rating Current DC(A) Max.	Saturation Current DC(A) Max.
APS201610M1R0A	1.0	1MHz	75.0	2.65	2.65

Notes:

- All test data is referenced to 25°C ambient.
- Operating Temperature Range-40°C to +125°C,(Including self - temperature rise).
- I_{rms}: DC current(A) that will cause an approximate ΔT of 40°C.
- I_{sat}: DC current(A) that will cause L_o to drop approximately 40%.
- The part temperature(ambient + temp rise)should not exceed 125°C under worst case operating conditions. Circuit design,component placement, PWB trace size and thickness,airflow and other cooling provisions all affect the part temperature, Part temperature should be verified in the end application.