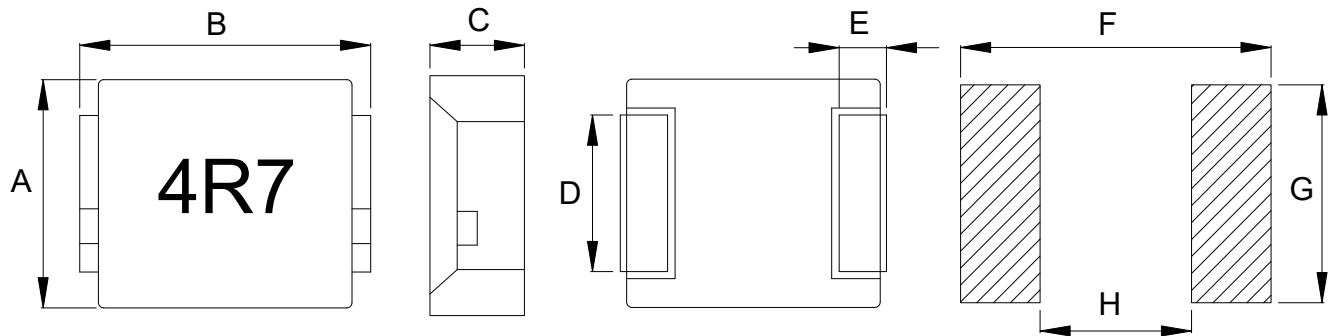


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	G	H	Q'TY/Reel
AAPS0630	6.8±0.2	7.7Max	3.0Max	3.0Ref	1.6Ref	7.6Ref	3.3Ref	3.0Ref	1500

2. Part Number Code

AAPS 06 30 M 4R7 HE
 A B C D E F

A: Series Name Carbonyl Powder Inductors
 B: Dimensions(mm) 06: 6.8x7.7
 C: Thickness(mm) 30: 3.0 Max
 D: Tolerance M: ±20%
 E: Inductance 4R7=4.7uH
 F: Internal controls

3. Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	DCR(mΩ) Max. @25°C	Heat Rating Current Irms(A) Typical	Saturation Current Isat(A) Typical
AAPS0630M4R7HE	4.7	100KHz/1V	40.0	5.56	10.0

Notes:

- 1) AEC-Q200 qualified.
- 2) All test data is referenced to 25°C ambient.
- 3) Operating temperature range -55°C to +125°C.
- 4) Irms :DC current(A) that will cause an approximate ΔT of 40°C.
- 5) Isat :DC current(A) that will cause I_o to drop approximately 20%.
- 6) The part temperature(ambient + temp rise)should not exceed 155°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.