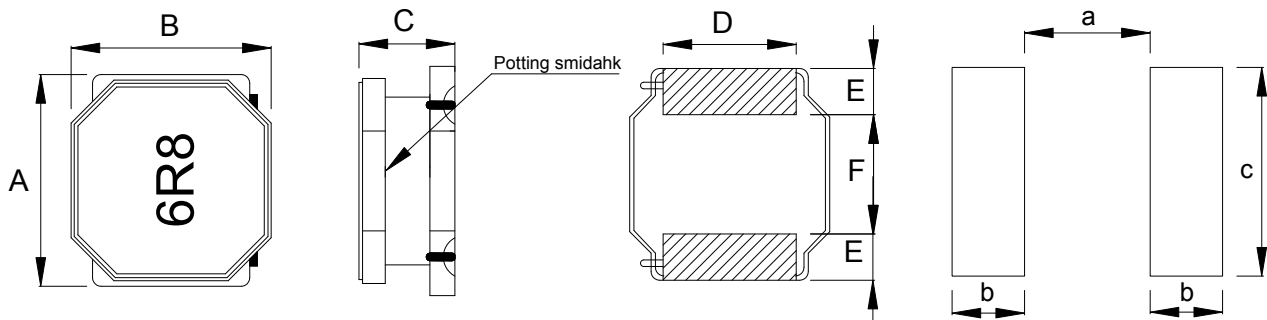


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	a	b	c	Q'TY/Reel
ABG04H20	4.0±0.2	4.0±0.2	2.0Max	3.5Ref	1.0Ref	2.0Ref	1.3Ref	1.5Ref	3.8Ref	3000

2. Part Number Code

ABG 04 H 20 M 6R8 U
 A B C D E F G

A: Series Name Power Inductors
 B: Dimensions(mm) 04: 4.0x4.0
 C: Materials High Current Use
 D: Thickness(mm) 20: 2.0 Max
 E: Tolerance M: ±20%
 F: Inductance 6R8=6.8uH
 G: Internal controls

3. Electrical Characteristics

Part Number	Inductance (μH)	Test Frequency (MHz)	DC Resistance (mΩ)Max	Heat Rating Current Irms (A)	Saturation Current Isat (A) (100KHz/1V)
ABG04H20M6R8U	6.8	1MHz/1V	154.0	2.0	3.1

Notes:

- 1) All test data is referenced to 25°C ambient.
- 2) Operating temperature range -40°C to +125°C.
- 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 35%.
- 5) 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.