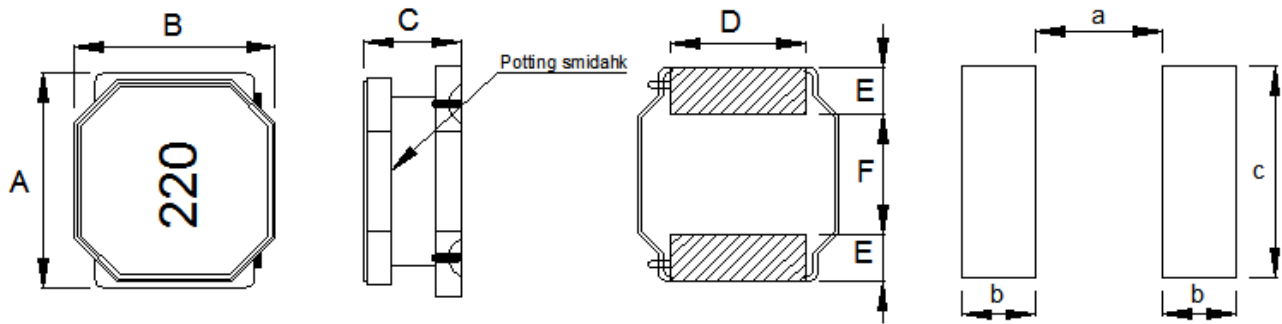


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	a	b	c	Q'TY/Reel
ABG03H12	3.0±0.2	3.0±0.2	1.35Max	2.55Ref	0.9Ref	1.2Ref	1.1Ref	1.0Ref	3.4Ref	2000

2. Part Number Code

ABG 03 H 12 M 220
 A B C D E F

A: Series Name Power Inductors
 B: Dimensions(mm) 03: 3.0x3.0
 C: Materials H:High Current Use
 D: Thickness(mm) 12: 1.35 Max
 E: Tolerance M: ±20%
 F: Inductance 220=22uH

3. Electrical Characteristics

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (mΩ)±30%	Heat Rating Current Irms (A) (100KHz/1V)	Saturation Current Isat (A) (100KHz/1V)
ABG03H12M220	22.0	1MHz/1V	846.0	0.7	1.09

Notes:

- 1) AEC-Q200 qualified.
- 2) All test data is referenced to 25°C ambient.
- 3) Operating temperature range -40°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 35%.
- 6) 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.