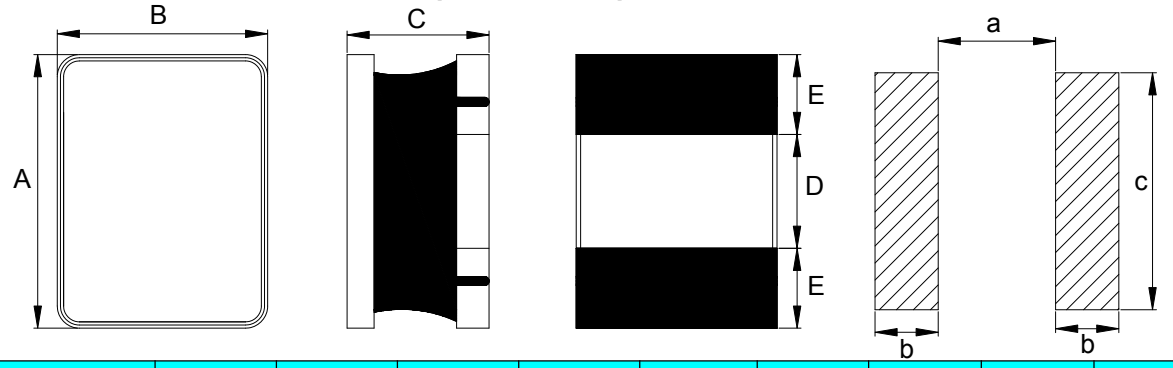
1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	f	g	h	Q'TY/Reel
ABG25A12	2.5±0.35	2.0±0.35	1.25Max	1.0Ref	0.8Ref	0.7Ref	2.9Ref	2.47Ref	2000

2. Part Number Code

ABG	25	A	12	LC	M	100
A	B	C	D	E	F	G

A: Series Name — Power Inductors
B: Dimensions(mm) — 25：2.5x2.0
C: Materials — NO use
D: Thickness(mm) — 12：1.25 Max
E: Internal controls
F: Tolerance — M：±20%
G: Inductance — 100=10uH

3. Electrical Characteristics

Part Number	Inductance (μH)	Test Frequency (MHz)	DC Resistance (mΩ)±30%	Heat Rating Current Irms (A)	Saturation Current Isat (A)
ABG25A12LCM100	10.0	1MHz/1V	525.0	0.64	0.79

Notes:

1）All test data is referenced to 25℃ ambient.

2）Operating temperature range -40℃ to +125℃.

3）Irms :DC current(A) that will cause an approximate△T of 40℃.

4）Isat :DC current(A) that will cause lo to drop approximately 35%.

5）The part temperature(ambient + temp rise)should not exceed 125℃ 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.