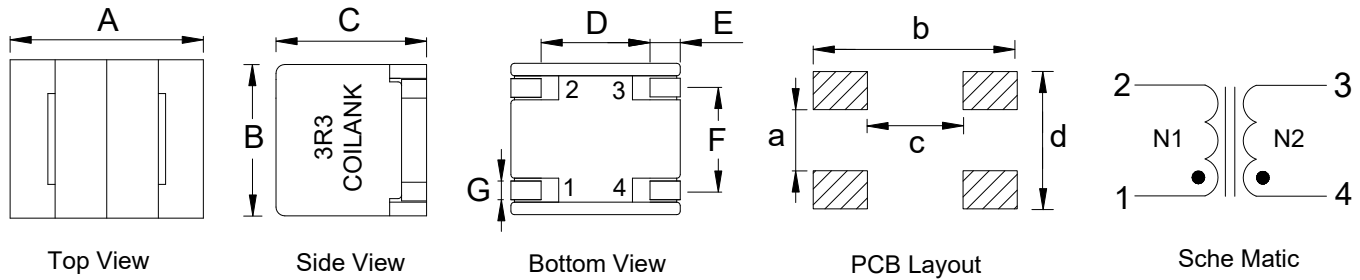


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	G	a	b	c	d	Q'TY/Reel
ABL8087	8.5Max	8.3Max	9.0Max	4.5±0.3	1.8±0.5	5.0±0.5	0.8±0.1	3.6Ref	8.5Ref	4.0Ref	7.0Ref	450

2. Part Number Code

ABL 8087 M 3R3
 A C D E

A: Series Name Power Inductor for Digital Amplifier
 B: Dimensions(mm) 8087: 8.5x8.3x9.0
 C: Tolerance M: ±20%
 D: Inductance 3R3=3.3uH

3. Electrical Characteristics

Part Number	Inductance (uH) N1=N2	Test Frequency (KHz)	DCR(mΩ) Max. N1=N2	Heat Rating Current Irms(A) N1=N2	Saturation Current Isat(A) N1=N2 (100KHz/0.1V)
ABL8087M3R3	3.3	100KHz/0.1V	18.0	5.0	8.5

Notes:

- 1) AEC-Q200 qualified.
- 2) All test data is referenced to 25°C ambient.
- 3) Operating temperature range -40°C to +125°C,(Including self - temperature rise).
- 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 30%.
- 6) 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.