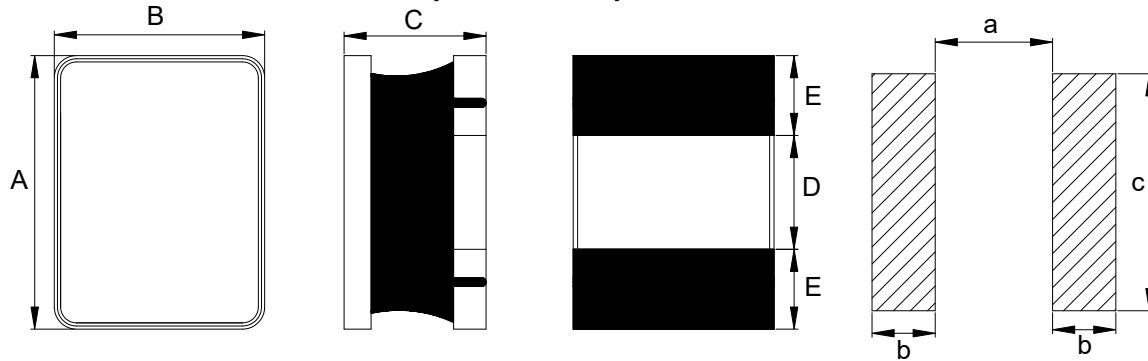


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	a	b	c	Q'TY/Reel
NR252010	2.5±0.3	2.0±0.35	1.05Max	0.8Ref	0.8Ref	0.65Ref	1.2Ref	2.4Ref	2000

2. Part Number Code

NR 252010 M 3R3 A
 A B C D E

A: Series Name Power Inductors
 B: Dimensions(mm) 252010: 2.5x2.0x1.05
 C: Tolerance M: ±20%
 D: Inductance 3R3=3.3uH
 E: Internal controls

3. Electrical Characteristics

Part Number	Inductance (μH)	Test Frequency (MHz)	DC Resistance (mΩ)Max.	Heat Rating Current I _{rms} (A)	Saturation Current I _{sat} (A)
NR252010M3R3A	3.3	1MHz/1V	270.0	1.15	1.45

Notes:

- 1) All test data is referenced to 25°C ambient.
- 2) Operating temperature range -40°C to +125°C.
- 3) I_{rms} :DC current(A) that will cause an approximate ΔT of 40°C.
- 4) I_{sat} :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.