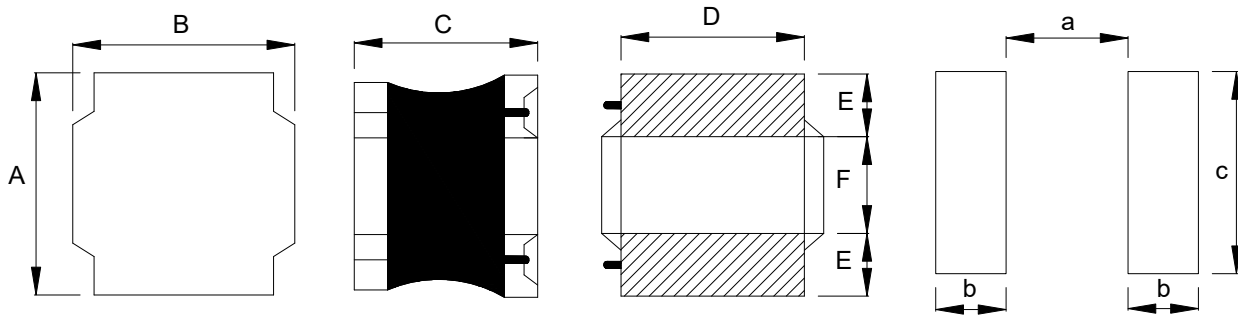


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	a	b	c	Q'TY/Reel
NR252012	2.5±0.3	2.2±0.3	1.25Max	1.65Ref	0.8Ref	0.9Ref	0.6Ref	1.1Ref	1.95Ref	2000

2. Part Number Code

NR 252012 M R68 H
 A B C D E

A: Series Name Power Inductors
 B: Dimensions(mm) 252012: 2.5x2.0x1.25
 C: Tolerance M: ±20%
 D: Inductance R68=0.68uH
 E: Materials H: Type

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)
NR252012MR68H	0.68	1MHz/1V	50.0	3.18	3.73

Notes:

- 1) All test data is referenced to 25°C ambient.
- 2) Absolute maximum voltage: DC 25V.
- 2) Operating temperature range -40°C to +125°C,(Including self - temperature rise).
- 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.