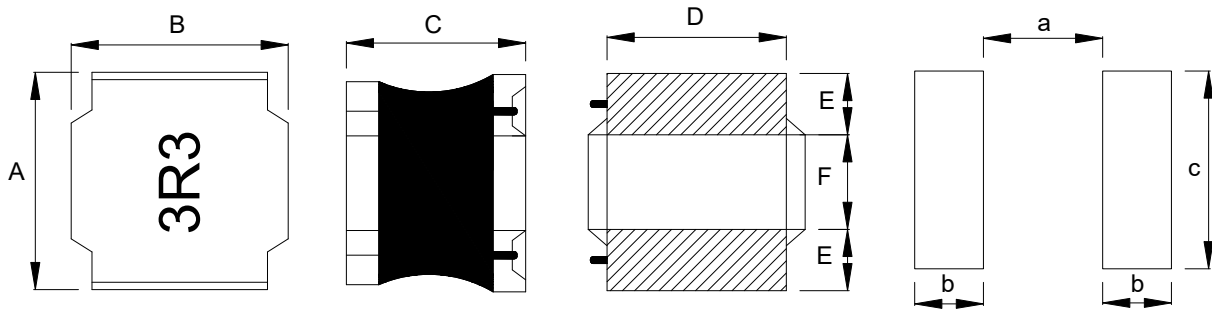


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	a	b	c	Q'TY/Reel
NR6028	6.0±0.3	6.0±0.3	3.0Max	4.9Ref	1.65Ref	2.7Ref	2.4Ref	1.95Ref	5.2Ref	2000

2. Part Number Code

NR 6028 M 3R3 Z
 A B C D E

A: Series Name Power Inductors
 B: Dimensions(mm) 6028: 6.0x6.0x3.0
 C: Tolerance M: ±20%
 D: Inductance 3R3=3.3uH
 E: Internal controls

3. Electrical Characteristics

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (mΩ)±30%	Heat Rating Current Irms (A)	Saturation Current Isat (A)
NR6028M3R3Z	3.3	100KHz/1V	25	3.48	3.74

Notes:

- 1) All test data is referenced to 25°C ambient.
- 2) Operating temperature range -40°C to +125°C.
- 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.